Keyboard Layouts

Spring 1978
Price $5.00

compugraphic Compugraphic Corporation, 66 Concord Street, Wilmington, Mass. 01887

CW IV/48/88

CW IV/48/88
With discretionary hyphen

EditWriter Series

UniSetter

ACM

CG 7200

ExecuWriter Series

2900 Series

4900 Series

VideoSetter

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Introduction

There are hundreds of available character complements for Compugraphic phototypesetters, but only the most frequently used complement is pictured on the phototypesetter keyboard. When an operator uses a complement that differs from the machine keyboard complement, a drawn diagram is needed to show the operator how to access different characters from existing keys. This diagram is often referred to as a keyboard layout. With proper layouts, an operator can quickly and accurately access various complements regardless of the phototypesetter keyboard.

The keyboard layouts of Compugraphic's most popular complements are contained in this book. Divided into sections according to machine model, each section contains an index referencing the layouts included. Each layout is perforated so that it can be removed and placed next to the keyboard for easy reference.

Some layouts presented in this book are highly specialized. Detailed instructions for these layouts are included on accompanying pages to assist the operator. Blank layouts are also included, which can be used to diagram a custom complement that may be unique to your operation.

Direct-entry Phototypesetters

7200, ExecuWriter Series, CompuWriter/Jr., CompuWriter II/II Jr., CompuWriter IV/48/88, EditWriter Series

Keyboard layouts for direct-entry phototypesetters are drawn in the same configuration as the typesetter keyboard. When two characters share the same key, with one pictured above the other, the top character is accessed in the shift position. When two characters are shown side-by-side on the same key, such as in the keyboard layouts for a CompuWriter II and ExecuWriter II, the character on the left is accessed in the odd-numbered font positions, while the character on the right is accessed in the even-numbered font positions.

Keyboard layouts for the CompuWriter IV and EditWriter Series picture a row of keys above the numerals that do not actually appear on the key-

board. This row represents additional characters that can be accessed with the Super Shift, or Precedence, upper and lower case function from the numeral keys.

Stand-alone Phototypesetters

ACM 9000, UniSetter, VideoSetter Series
CompuTape I, CompuTape II

The important information contained on these layouts is the number appearing above each key. This number is the actual TTS code required to generate the particular character or function. Six-level TTS is limited to 64 codes, 45 of which are used to access characters. Since there are usually more than 45 characters contained in a complement, some characters are generated by using a special two-code combination. These codes appear above several keys. The first code is a flag code, while the second is either a numeral from zero to nine or a function code.

Complement Variations

The number of characters in a complete complement varies according to machine model:

7200–102	ExecuWriter Series–110
CompuWriter IV/48/88–118	CompuWriter/Jr./II/II Jr.–96
VideoSetter Series–106	EditWriter Series–118
ACM 9000–102	UniSetter–118

These numbers may vary due to typeface restrictions, unique applications, or because certain characters require a composite of two keystrokes.

Regardless of their size, character complements are always structured for unique typesetting applications. While this book will be invaluable in assisting operators to access various complements, each character complement should be examined carefully before it is included in your library. The complements you select substantially determine the kind of typesetting you will be able to produce.

For help in choosing the correct complement, contact your local Compugraphic Type Specialist, or Type Applications Department, Compugraphic Corporation, 66 Concord Street, Wilmington, MA 01887, (617) 944-6555.

Ad complement 500 4
Book & Commercial complement 501 5
Blank keyboard 6
Multilingual complement 502. 7
Reverse complement 503 9
Blank keyboard 10
Avant Garde Gothic display complement 504 11
Greek & Math complement 505 12
Greek & Math complement 506 13
Greek & Math complement 507 14
Greek & Math complement 508 15
International Symbols comp. 512 (Unshift) 16
Shift 17
Holiday Symbols complement 513 (Unshift) 18
Shift 19
Antique Text complement 515 20
Initial & Ornament complement 516. 21
Armenian complement 517. 22
Aura Swash & Alternate complement 518. 23
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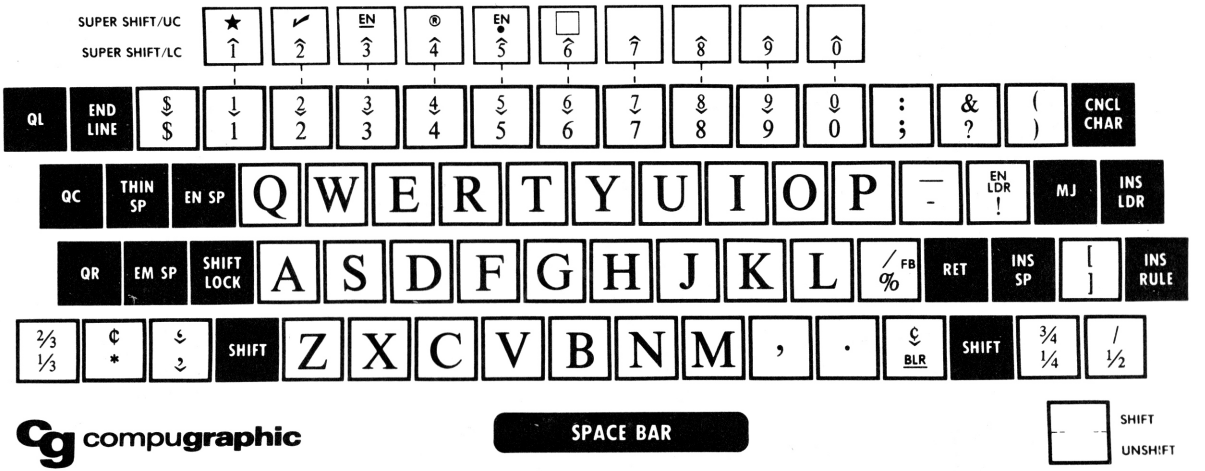
Copperplate complement 521 28
Small Cap complement 522 29
Russian/Bulgarian complement 524. 30
Ukrainian complement 525 31
Blank keyboard 32
Thermography complement 527. 33
Grizzly Swash & Alternate comp. 528. 34
Tom's Roman Swash & Alternate comp. 529 35
Paladium, Paladium Semibold
Swash & Alternate complement 530 36
Paladium Italic
Swash & Alternate complement 531 37
Cooper Black, Cooper Black Italic
Swash & Alternate complement 532 38
Serif Gothic Reg., Bld., Exbld., Hvy., Outline
Swash & Alternate complement 533 39
Tiffany Light, Medium, Demi
Swash & Alternate complement 534 40
Tiffany Heavy Swash & Alternate comp. 535 41
Libra Swash & Alternate complement 536 43
Goudy Bold, Bold Italic
Swash & Alternate complement 537 44
Artcraft Light, Light Italic, Bold
Swash & Alternate complement 538 45
Bookman, Bookman Italic
Swash & Alternate complement 539 46
Blank keyboard 47
Blank keyboard 48

Ad complement 500



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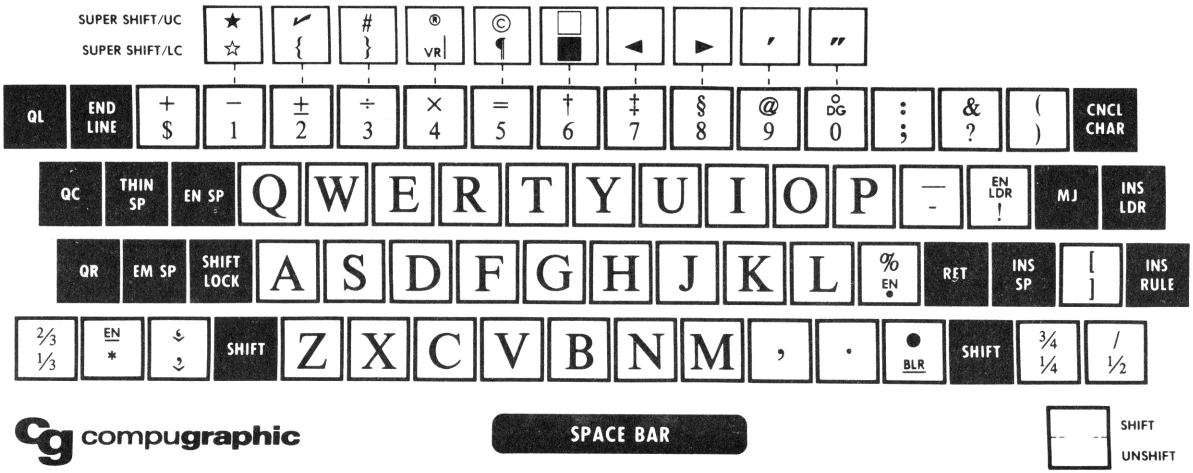
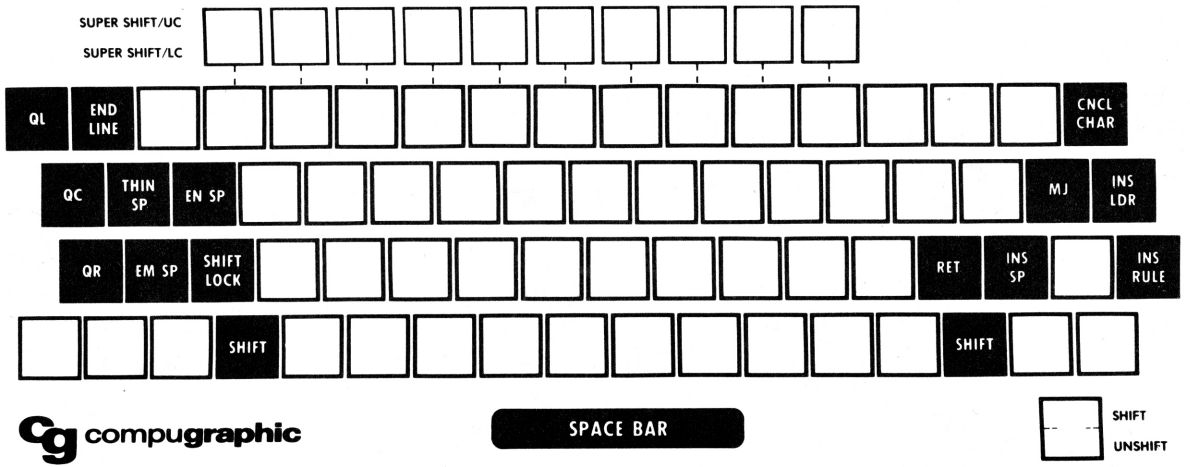
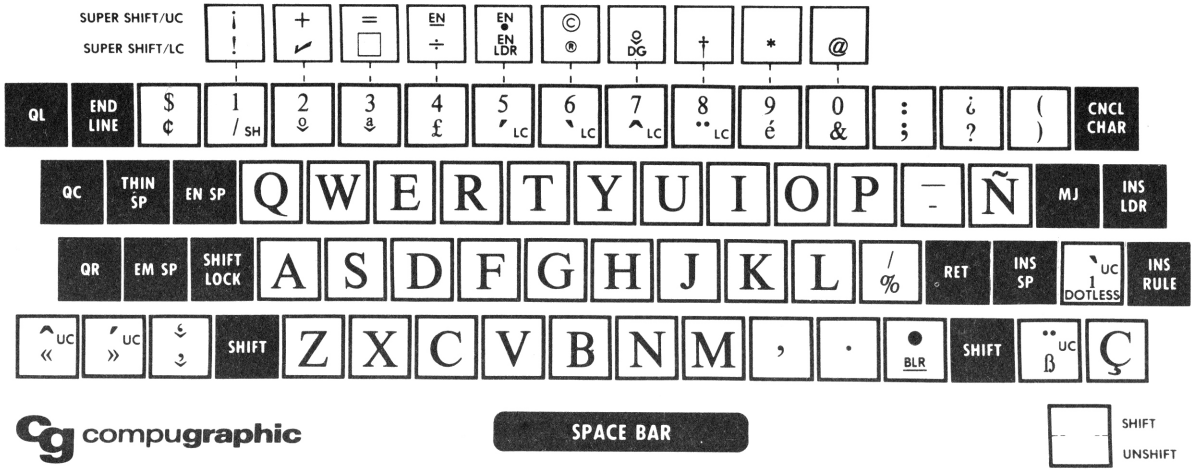
Book & Commercial complement 501




SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
UNSHIFT


SUPER SHIFT/UC
SUPER SHIFT/LC
¡ !
+
=
EN ÷
EN • EN LDR
© ®
DG
†
*
@
QL
END LINE
$ ¢
1 / SH
2
3 a
4 £
5 LC
6 LC
7 LC
8 LC
9 é
0 &
: ;
¿ ?
( )
CNCL CHAR
QC
THIN SP
EN SP
Q W E R T Y U I O P
Ñ
MJ
INS LDR
QR
EM SP
SHIFT LOCK
A S D F G H J K L
/ %
RET
INS SP
UC 1 DOTLESS
INS RULE
UC « »
UC
SHIFT
Z X C V B N M , .
BLR
SHIFT
UC ß
Ç
compugraphic
SPACE BAR
SHIFT
UNSHIFT

This layout applies to reverse typefaces only.

The "beginning" and "ending" wedges for italic reverse typefaces are always assigned a zero width value.

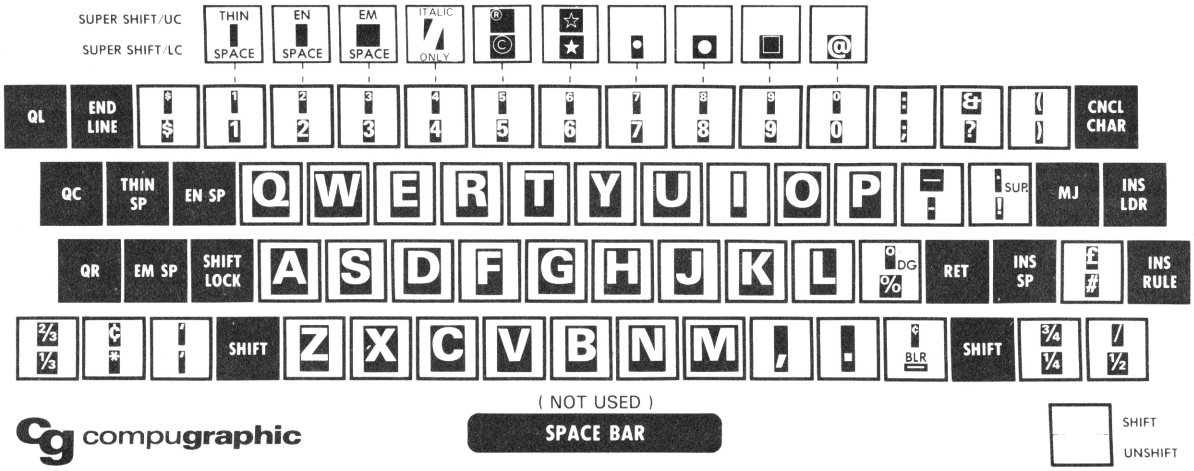
Letterspacing, justification, kerning or character compensation is not recommended.

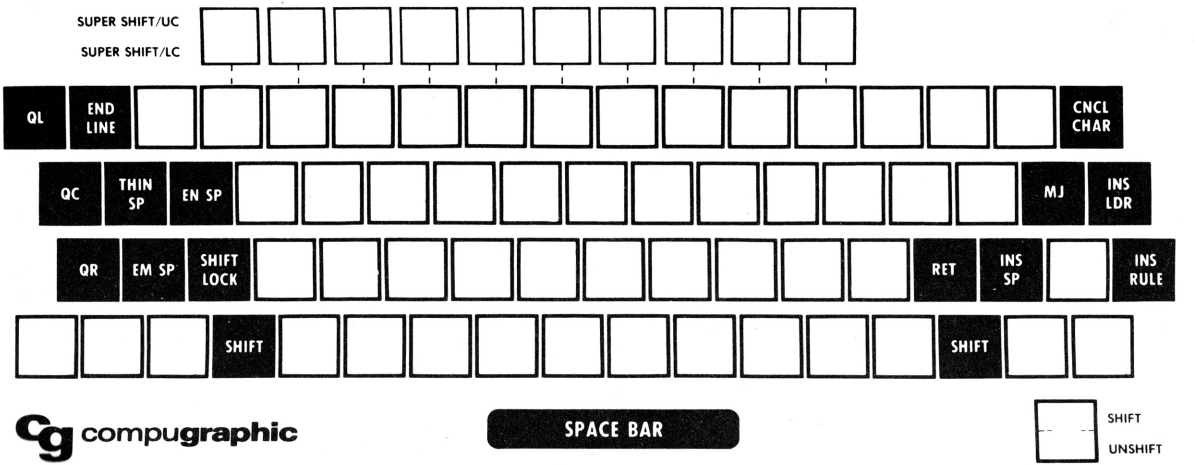
The space bar (word space), regular thin, en and em space will produce white spaces.

The leading (line space) setting should be ½ point smaller than the specified point size.

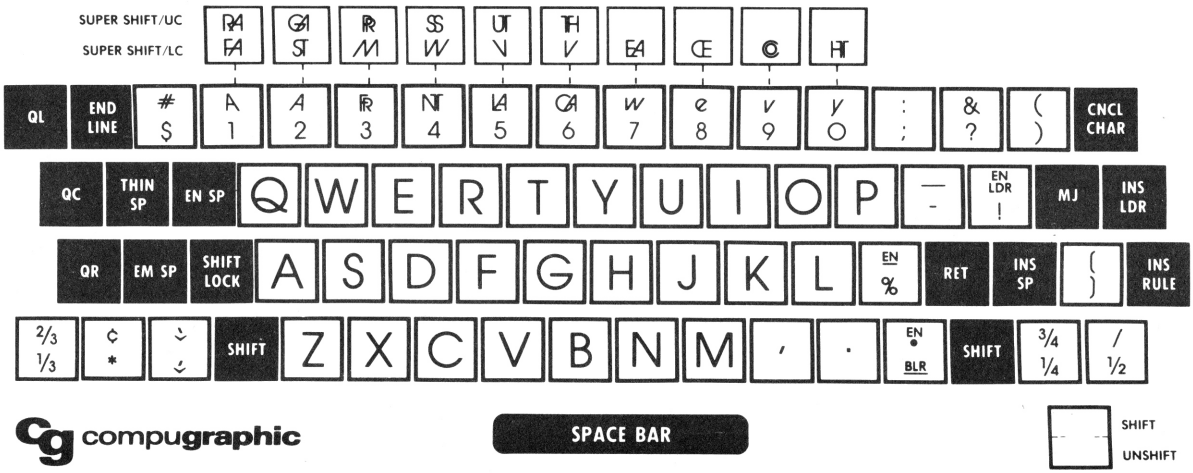
Fixed spaces—refer to notes above and keytops to the right.

1—Reverse thin space
2—Reverse en space
3—Reverse em space
4—Reverse beginning wedge, italic typefaces only
5—Reverse ending wedge, italic typefaces only

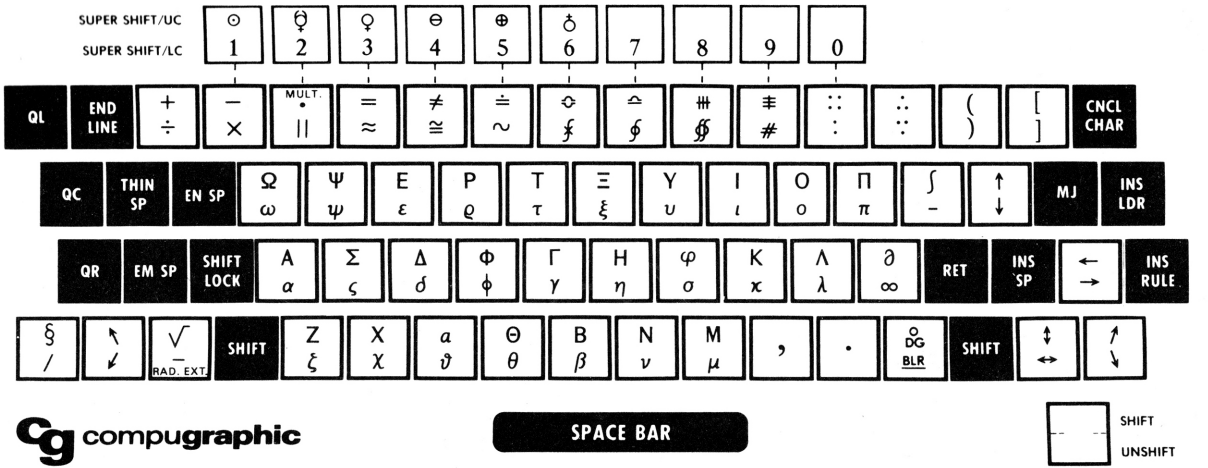

SUPER SHIFT/UC
SUPER SHIFT/LC
THIN SPACE
EN SPACE
EM SPACE
ITALIC ONLY
@
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
DG
RET
INS SP
INS RULE
SHIFT
BLR
SHIFT
(NOT USED)
SPACE BAR
compugraphic
SHIFT
UNSHIFT


SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
UNSHIFT

Avant Garde Gothic display complement 504



Greek & Math complement 505



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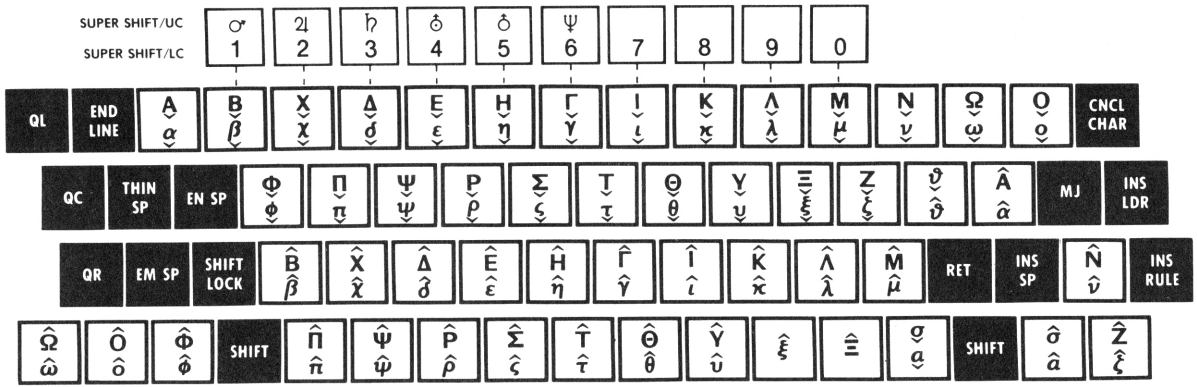
Greek & Math complement 506



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Greek & Math complement 507

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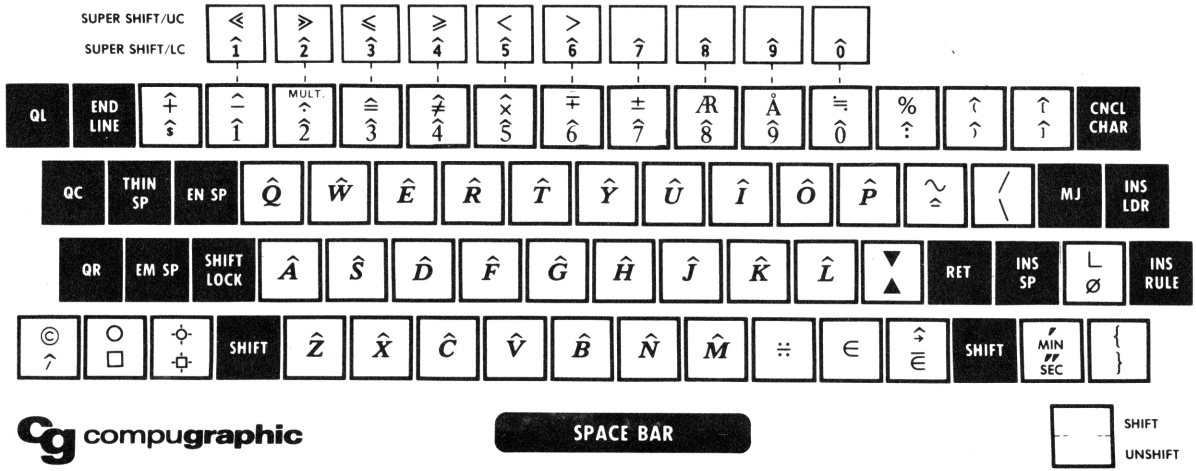
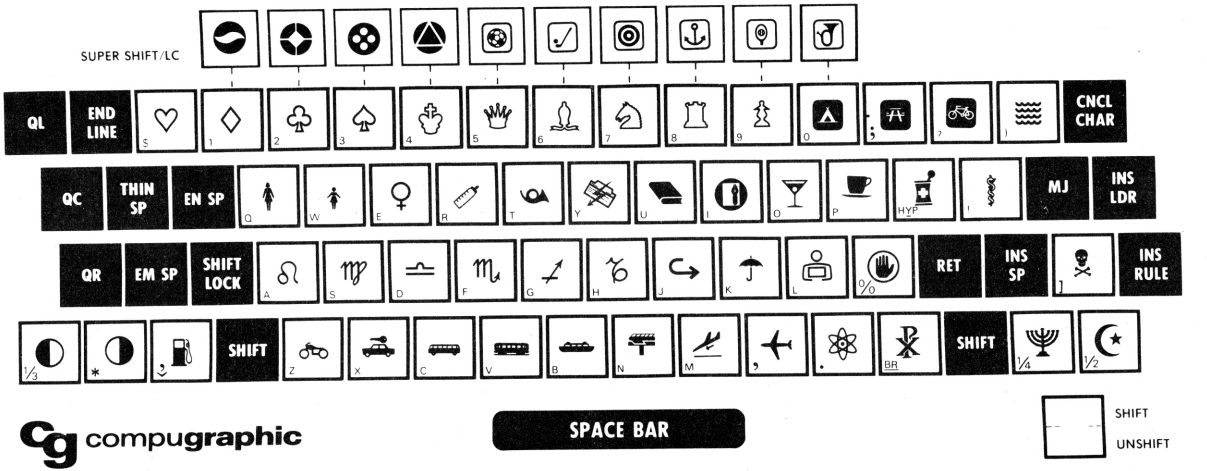
Greek & Math complement 508



International Symbols complement 512

Unshift



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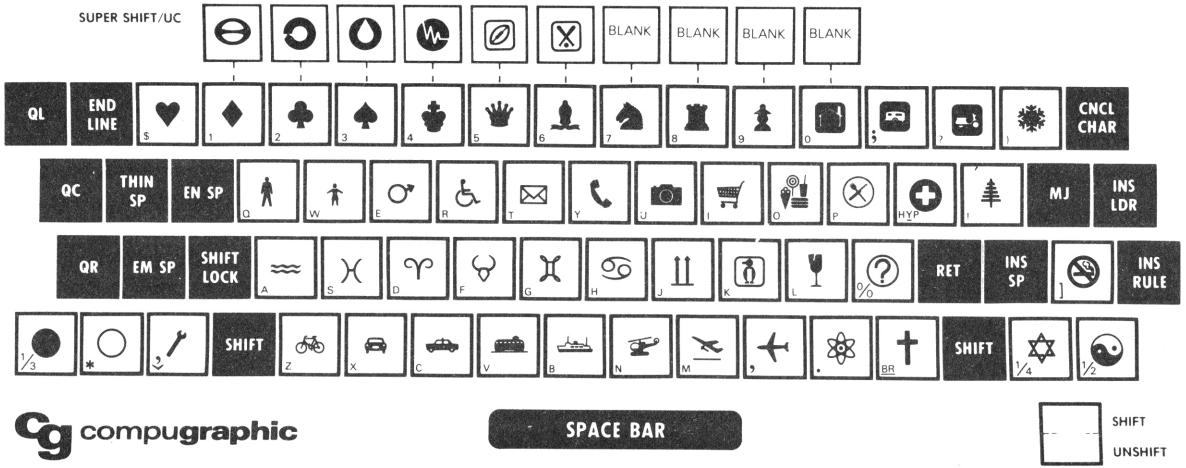
International Symbols complement 512

Shift

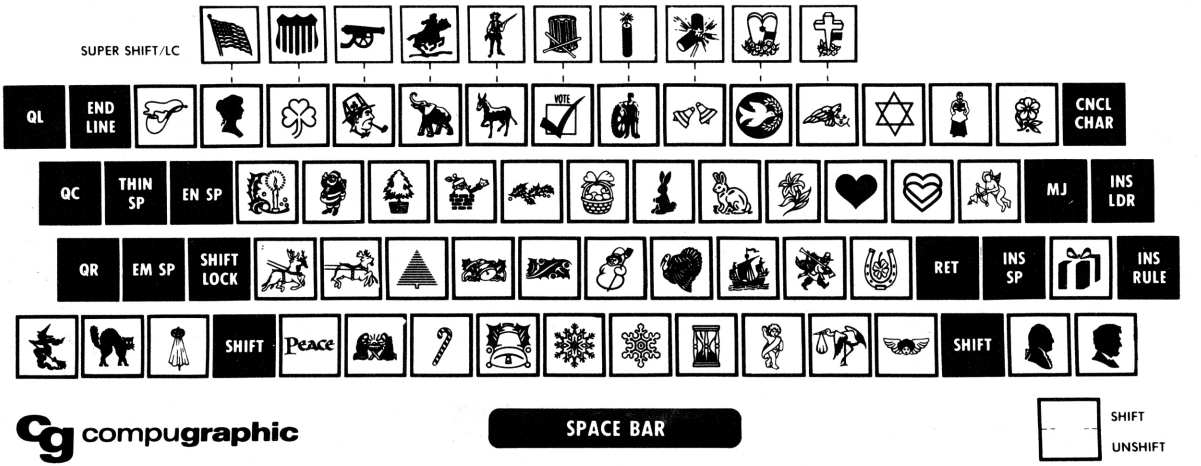


Holiday Symbols complement 513

Unshift

Characters in shift and unshift positions on key A and shift and unshift key S are common connecting elements.

Characters in shift and unshift position on key 9 are common connecting elements.

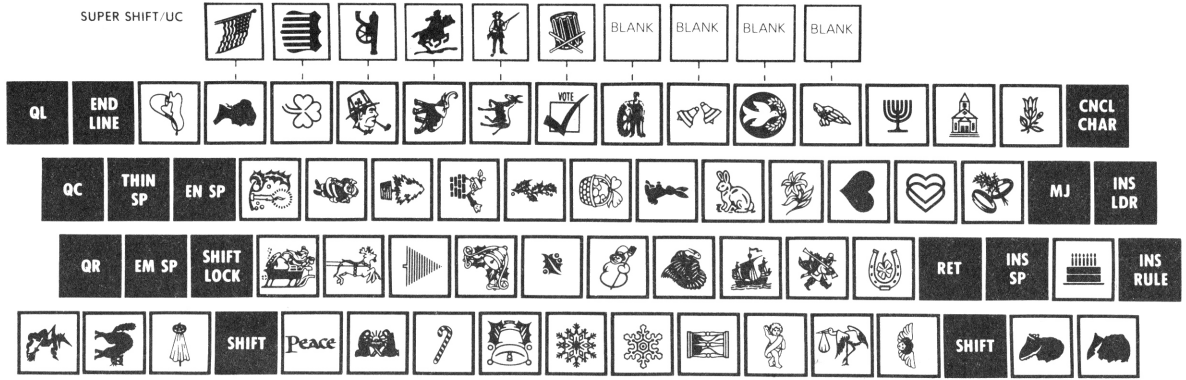


Holiday Symbols complement 513

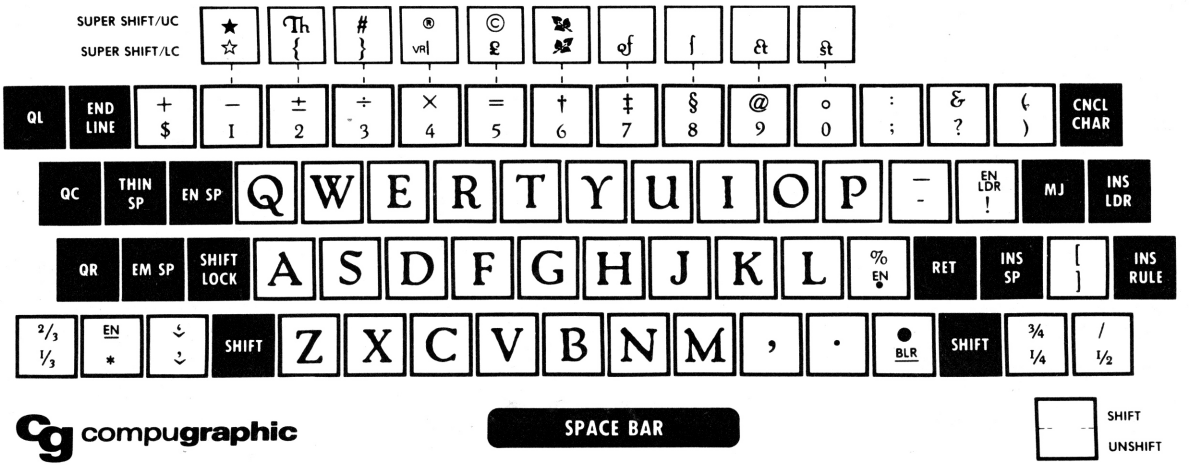
Shift

Characters in shift and unshift positions on key A and shift and unshift key S are common connecting elements.

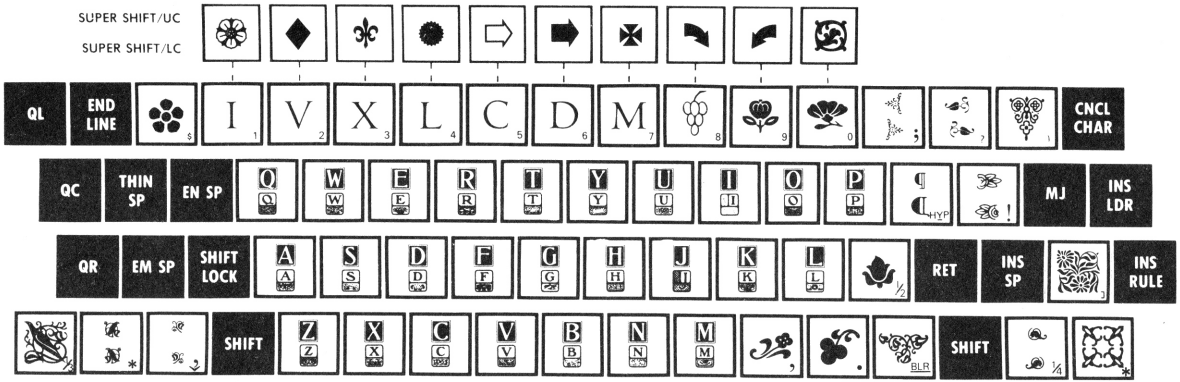
Characters in shift and unshift position on key 9 are common connecting elements.



Antique Text complement 515



Initial & Ornament complement 516



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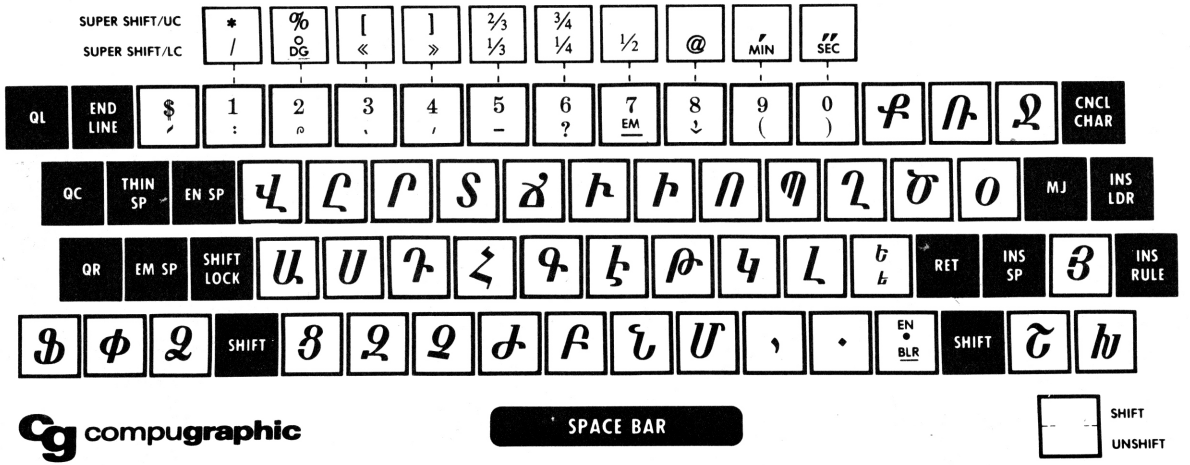
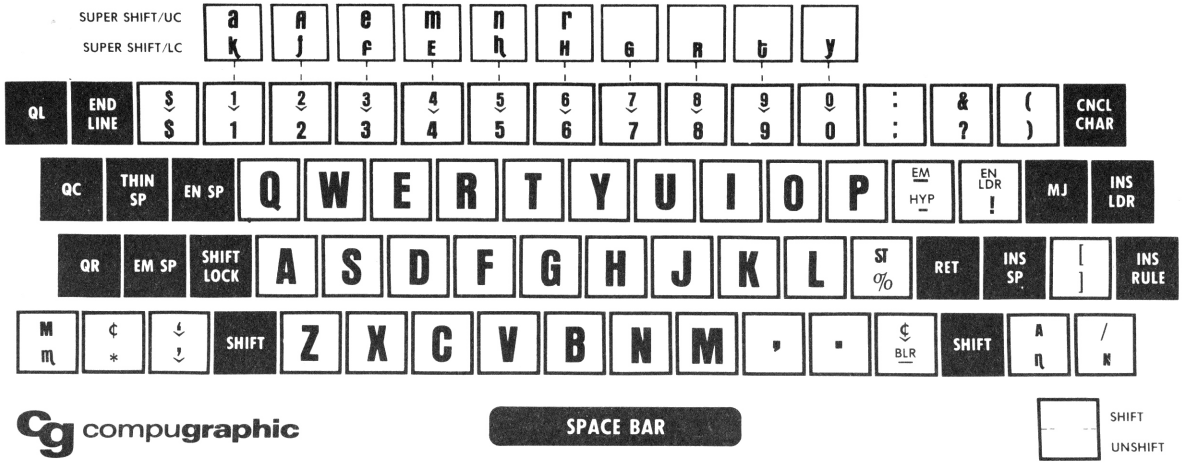
Armenian complement 517



Swash & Alternate character complement 518

Aura



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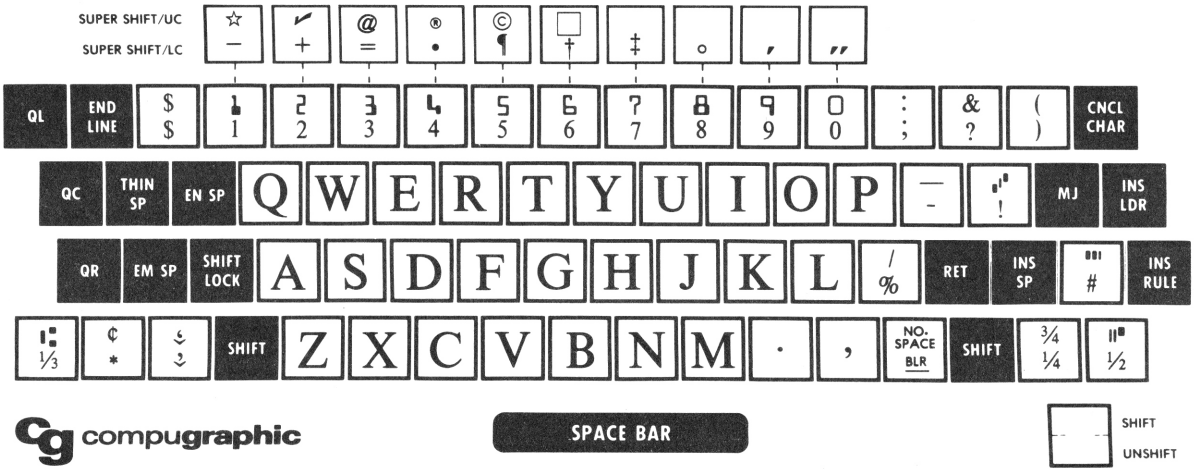
MICR characters must be exposed through the 9 point lens.

The number space (shift/BLR key) is to be used instead of the regular thin, en or em spaces.

Justification, letterspacing, kerning or character compensation is not recommended.

MICR complement 519

With standard typeface, 9pt. lens



MICR characters must be exposed through the 10 pt. lens.
The number space is to be used instead of the regular thin, en or em spaces.
Kerning or character compensation is not recommended.
Insert line measure into the machine as specified on the chart below for total amount of E-13B characters and number spaces.
Keyboard the E-13B characters and end the line with the Return Key.

Number of E-13B Characters	*Picas*	+ *Points*
11	08	03
12	09	00
13	09	09
14	10	06
15	11	03
16	12	00
17	12	09
18	13	06
19	14	03
20	15	00
21	15	09

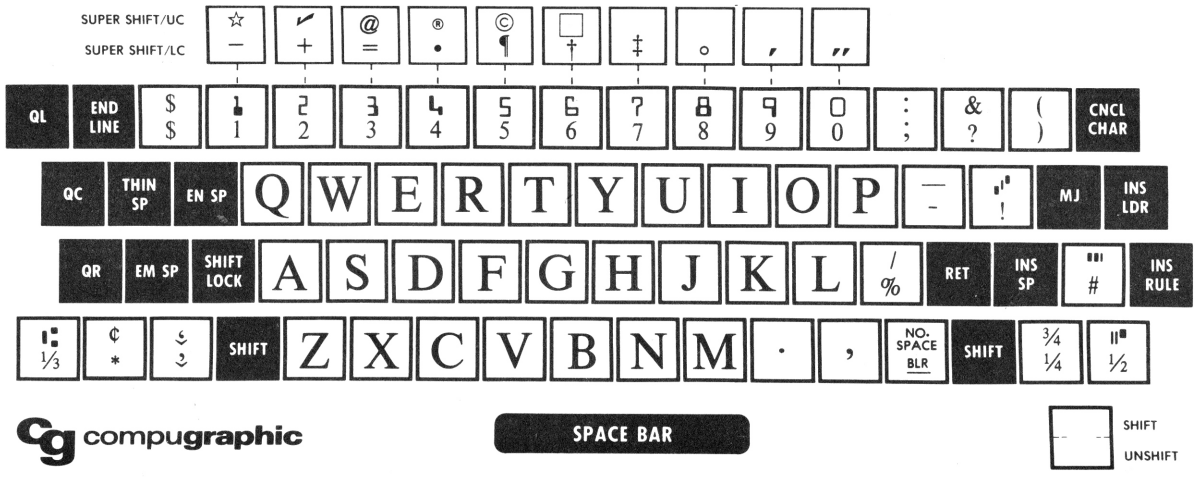
Number of E-13B Characters	*Picas*	+ *Points*
22	16	06
23	17	03
24	18	00
25	18	09
26	19	06
27	20	03
28	21	00
29	21	09
30	22	06
31	23	03
32	24	00

Number of E-13B Characters	*Picas*	+ *Points*
33	24	09
34	25	06
35	26	03
36	27	00
37	27	09
38	28	06
39	29	03
40	30	00
41	30	09
42	31	06
43	32	03

Number of E-13B Characters	*Picas*	+ *Points*
44	33	00
45	33	09
46	34	06
47	35	03
48	36	00
49	36	09
50	37	06
51	38	03
52	39	00
53	39	09

MICR complement 520

With standard typeface, 10pt. lens



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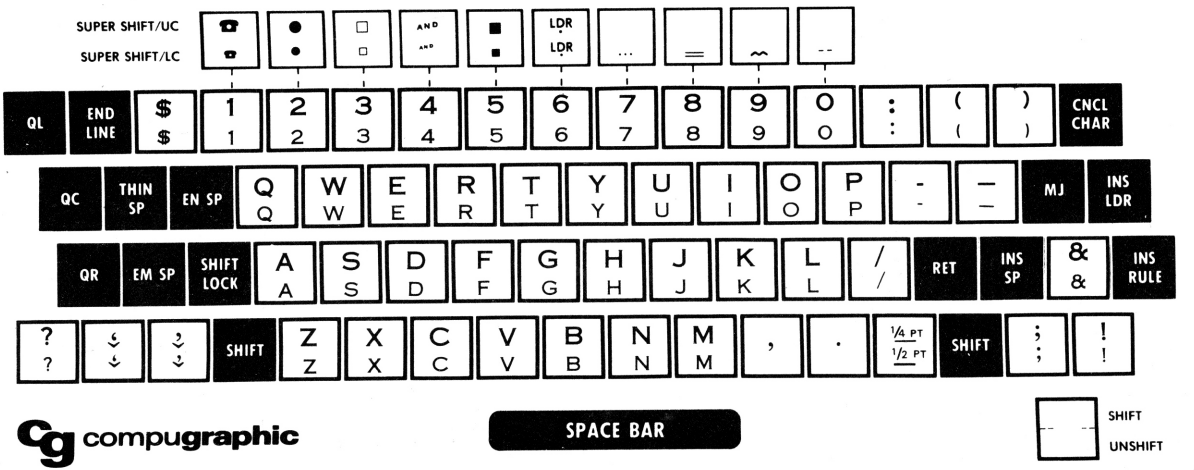
Copperplate complement 521



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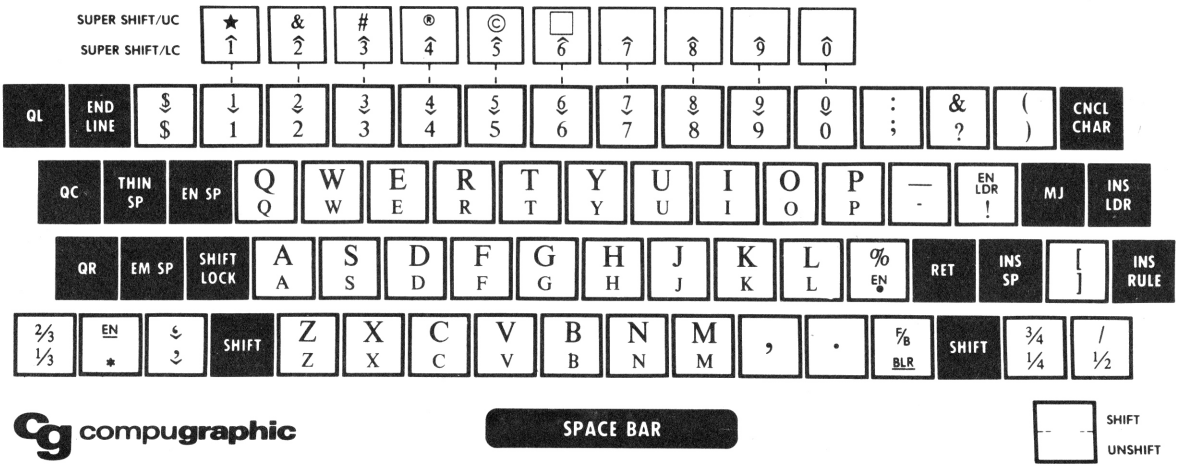
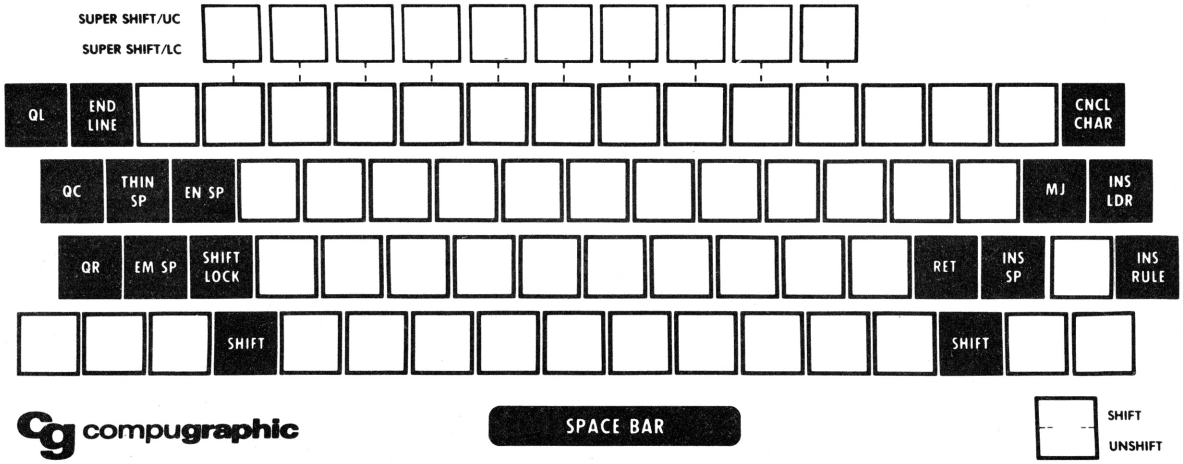
Small Cap complement 522



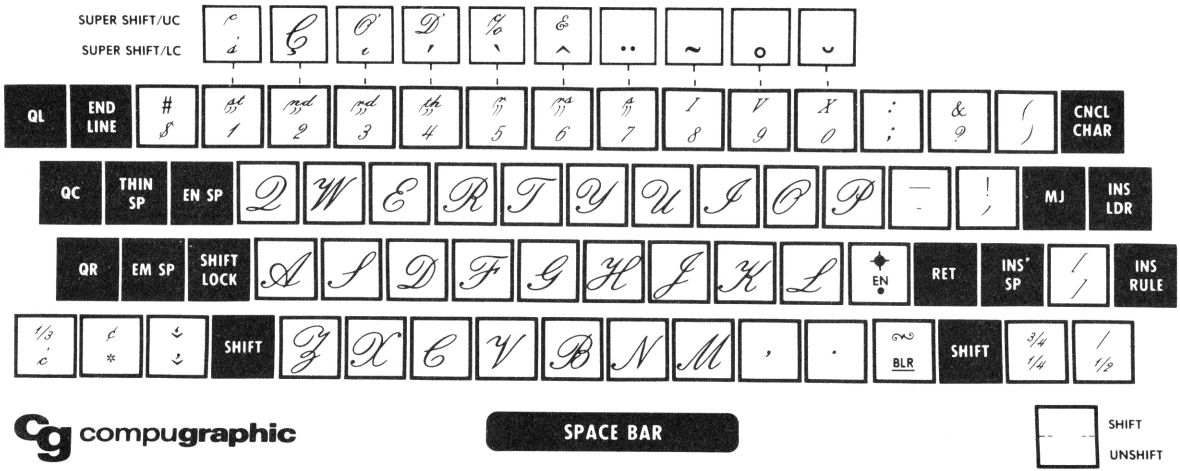
Russian/Bulgarian complement 524

SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
QC
THIN SP
EN SP
QR
EM SP
SHIFT LOCK
SHIFT
CNCL CHAR
MJ
INS LDR
RET
INS SP
INS RULE
SHIFT
SPACE BAR
SHIFT
UNSHIFT
compugraphic


SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
UNSHIFT

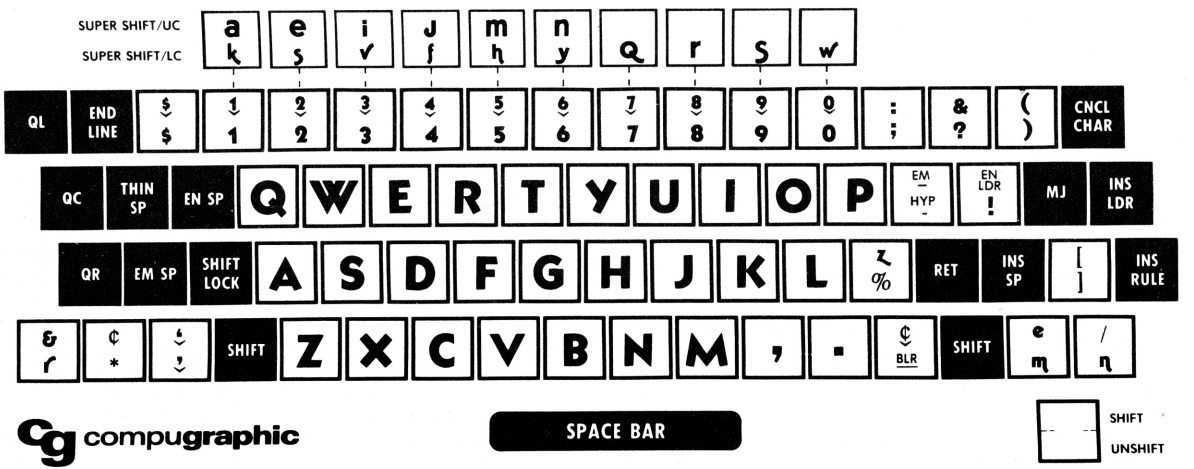
Thermography complement 527

The opening upstroke (⌒) is used with pen scripts. All other faces will have an opening flourish (∽) in that key position.



Swash & Alternate character complement 528

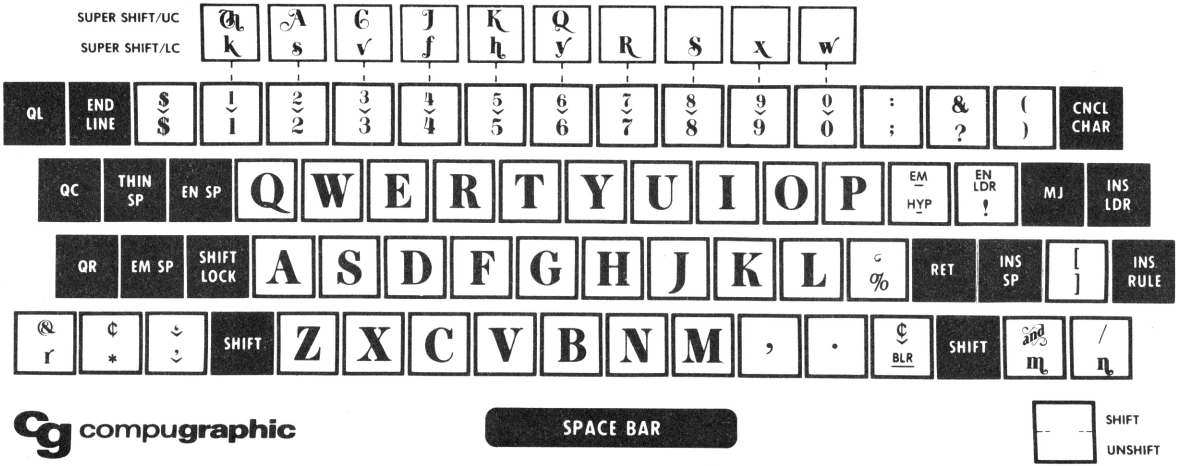
Grizzly



Swash & Alternate character complement 529

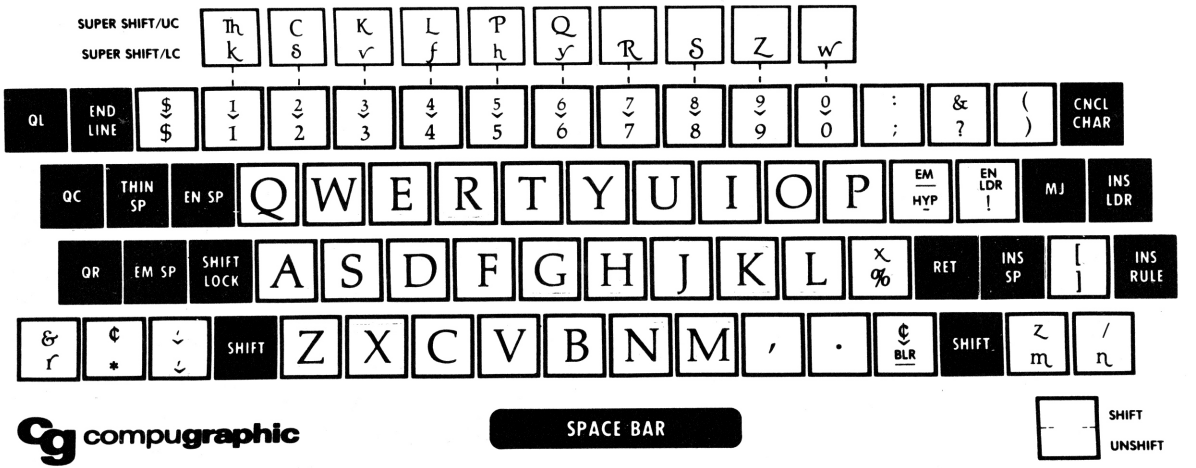
Tom's Roman

The piece swash (H) is to be used with straight sided cap characters.



Swash & Alternate character complement 530

Paladium, Paladium Semibold



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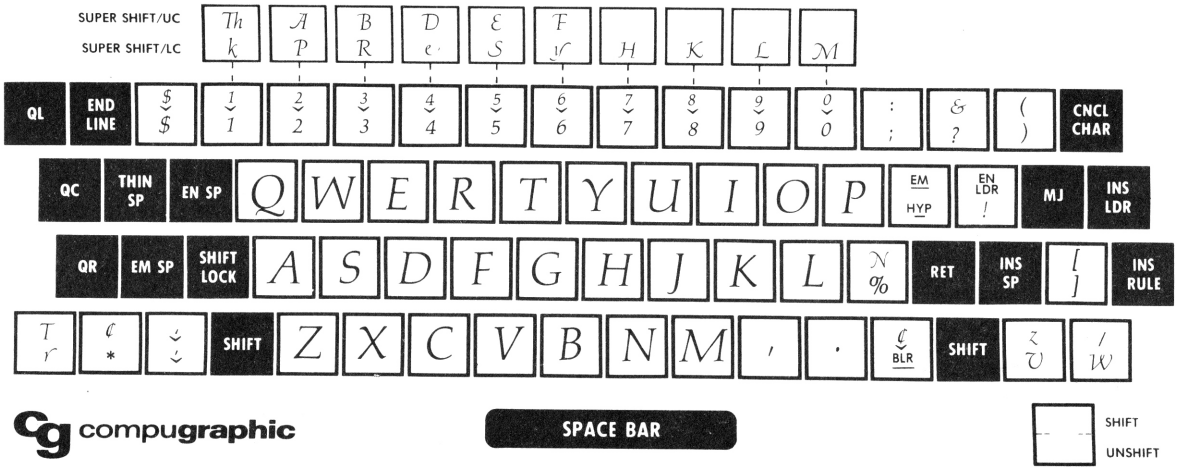
Swash & Alternate character complement 531

Paladium Italic



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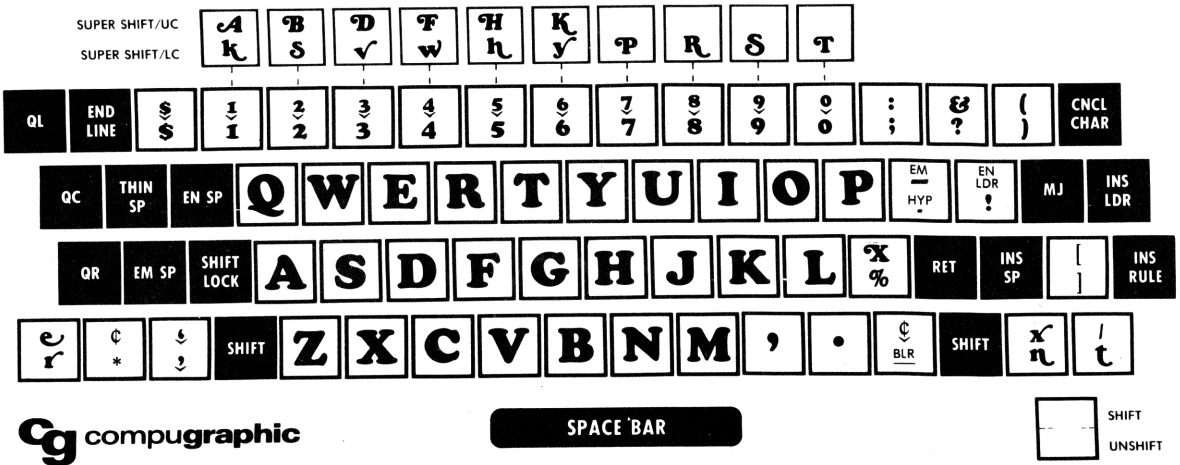
Swash & Alternate character complement 532

Cooper Black, Cooper Black Italic



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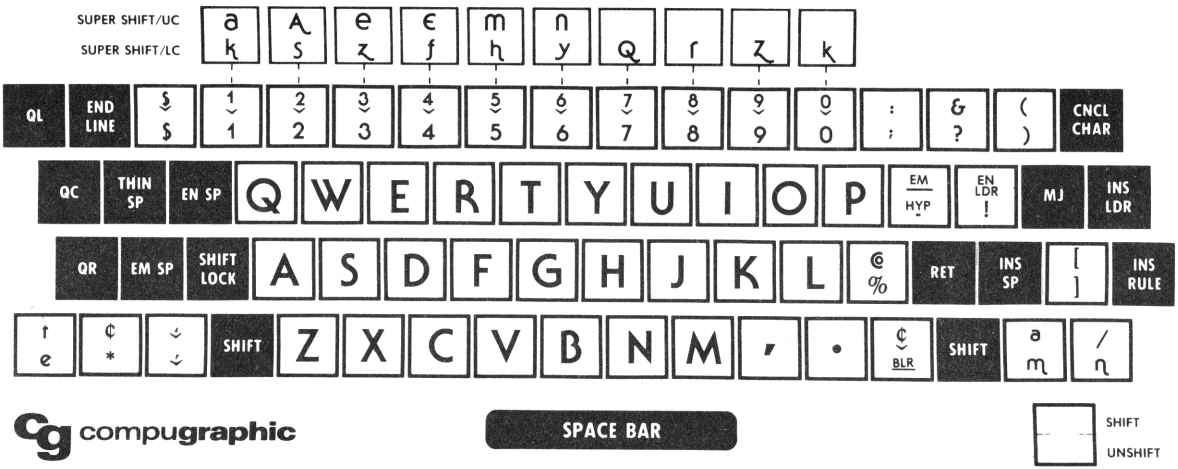
Swash & Alternate character complement 533

Serif Gothic Regular, Bold, Extrabold, Heavy, Outline

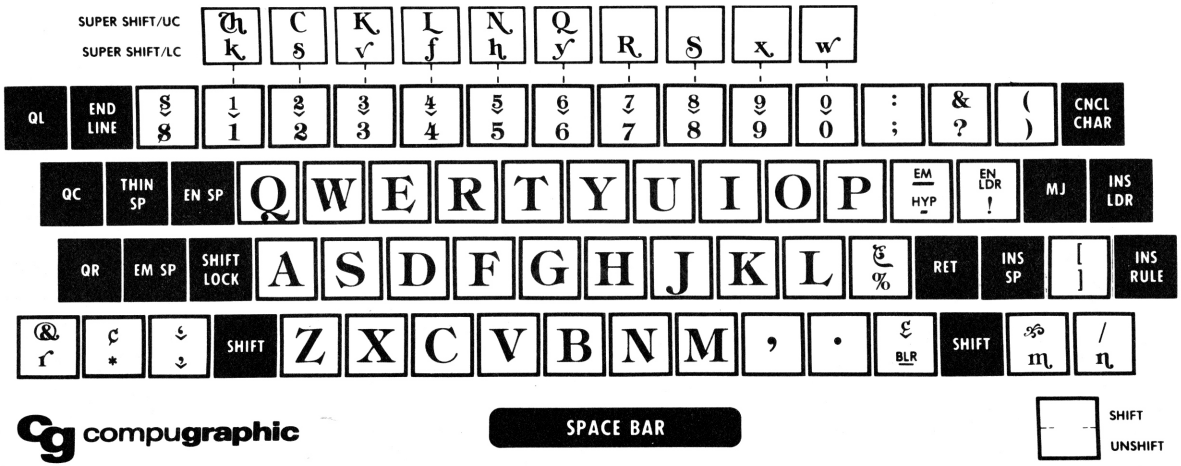


compugraphic

Swash & Alternate character complement 534

Tiffany Light, Medium, Demi

The piece swash ( ) is to be used with straight sided cap characters.

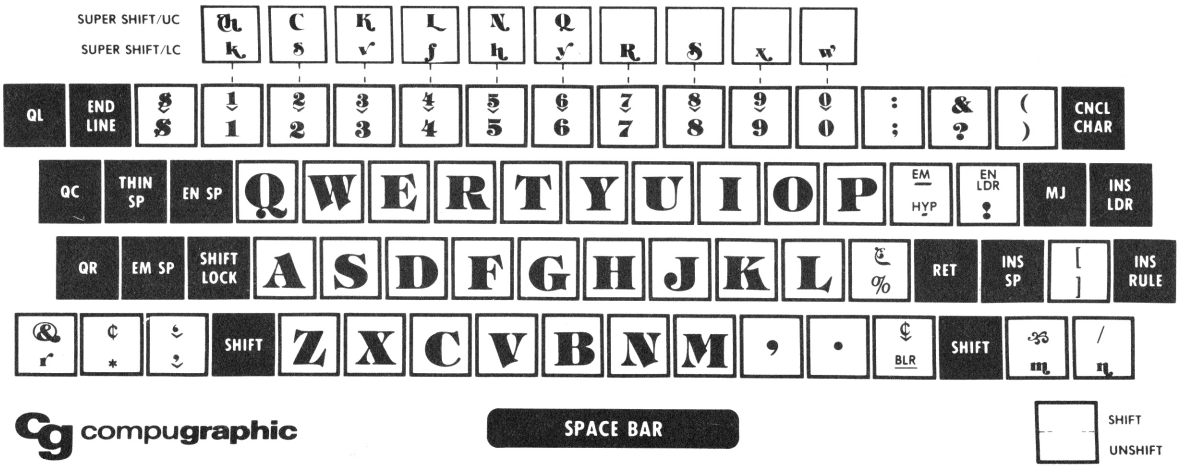


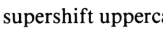
compugraphic

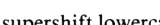
Swash & Alternate character complement 535

Tiffany Heavy

The piece swash ( ) is to be used with straight sided cap characters.

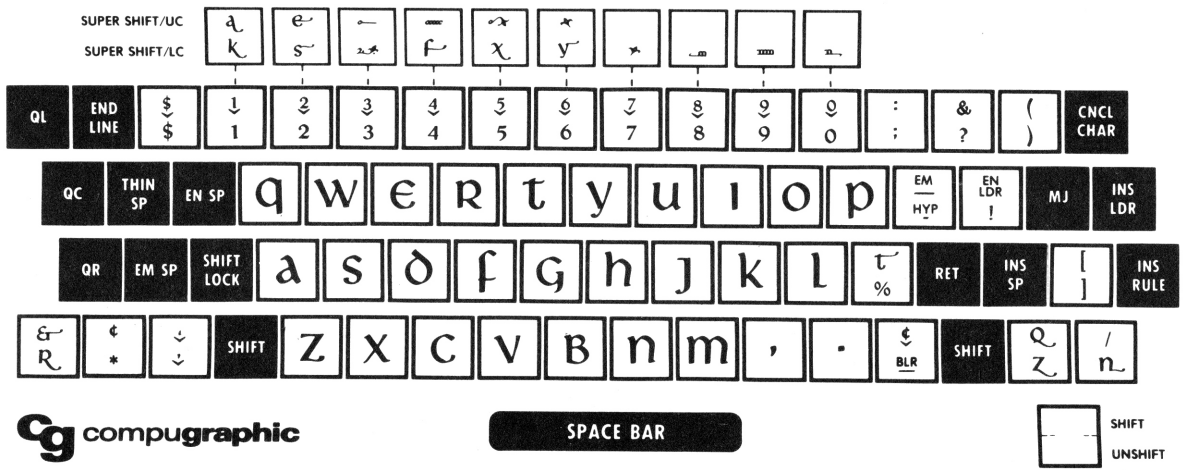


Characters in supershift uppercase key positions 3 (), 4 () and 5 () are common connecting elements. ()

Characters in supershift lowercase key positions 8 (), 9 () and 0 () are common connecting elements. ()

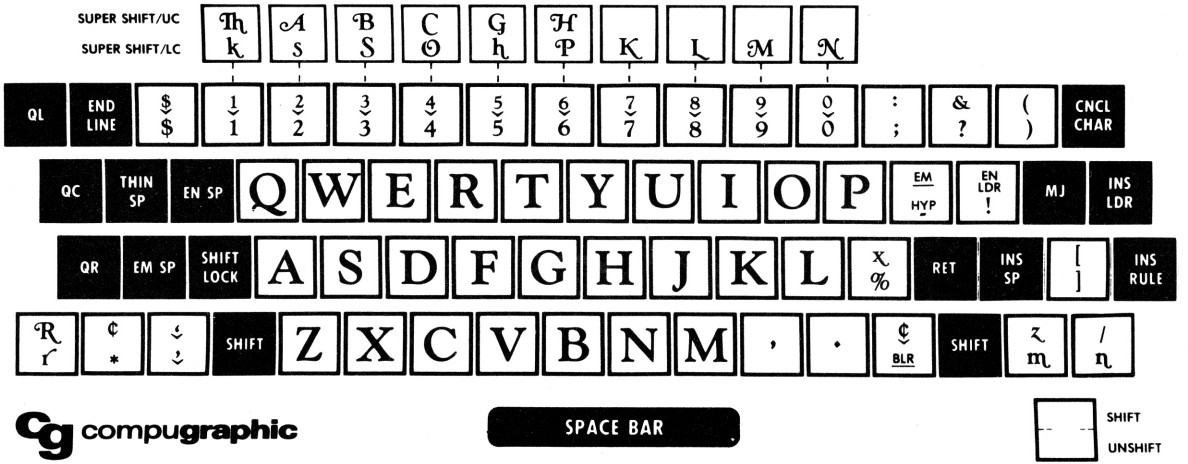
Swash & Alternate character complement 536

Libra



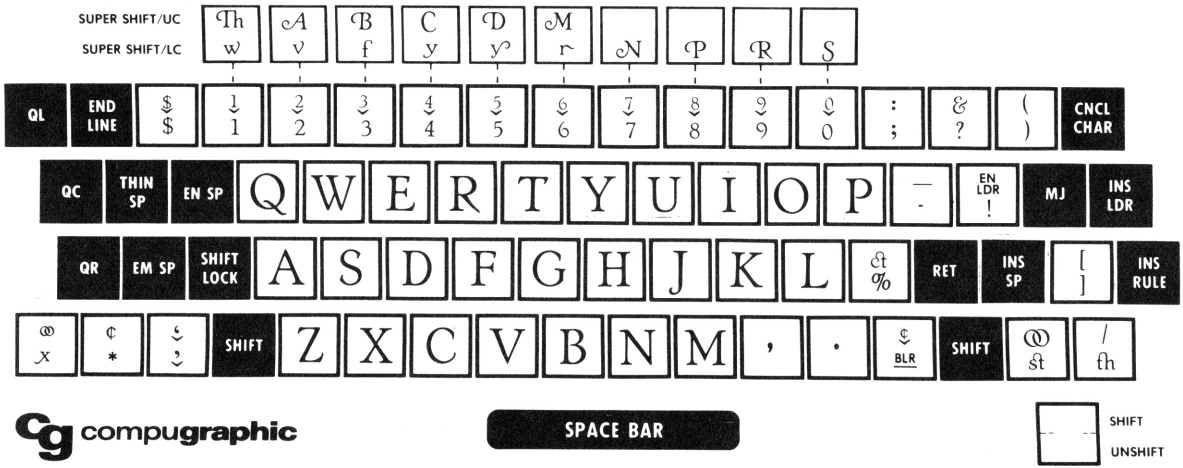
Swash & Alternate character complement 537

Goudy Bold, Bold Italic



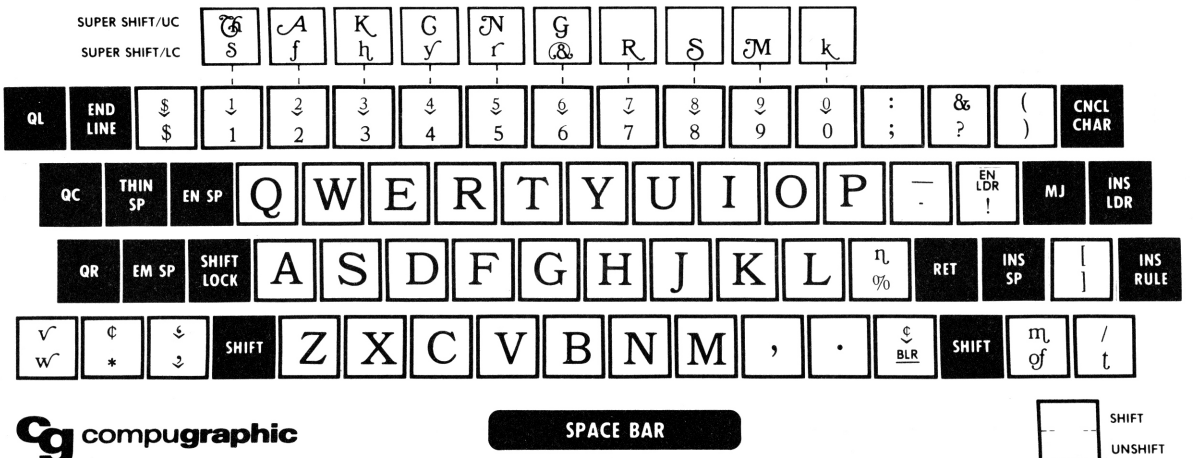
Swash & Alternate character complement 538

Artcraft Light, Light Italic, Bold

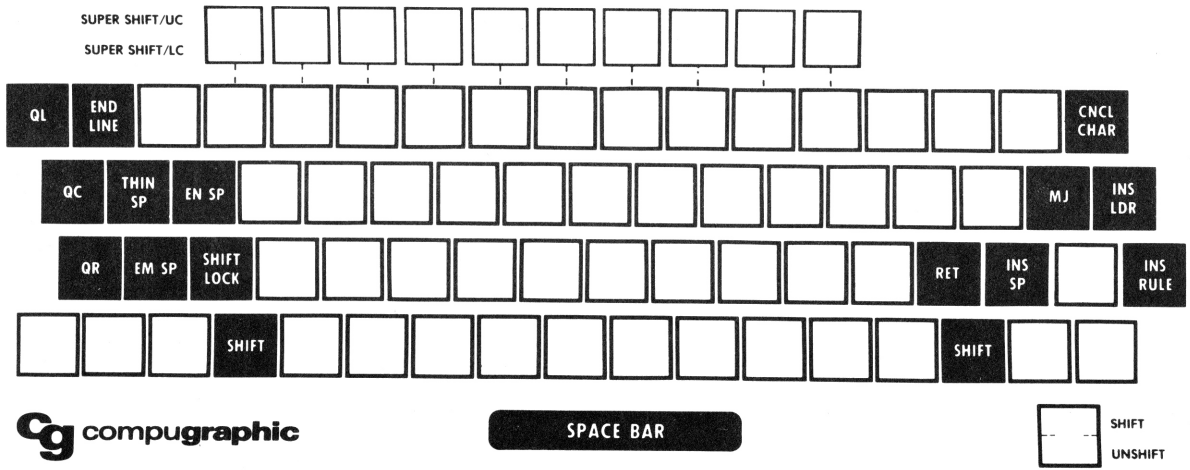


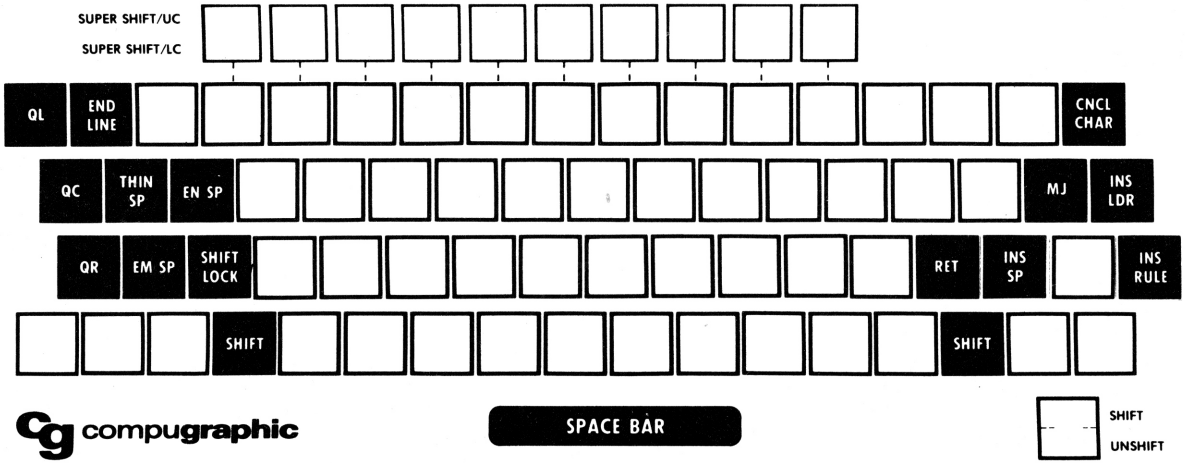
Swash & Alternate character complement 539

Bookman, Bookman Italic



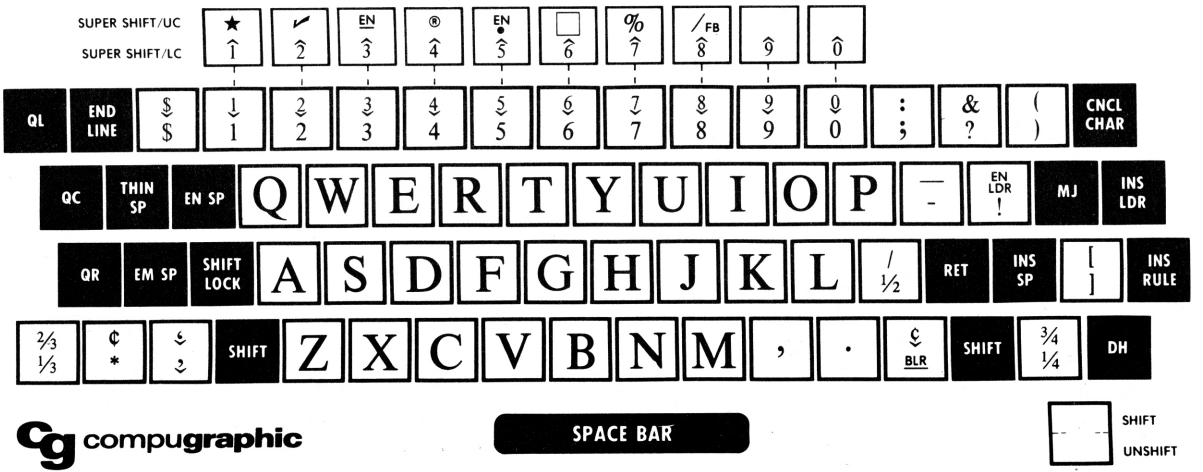
compugraphic


SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
UNSHIFT

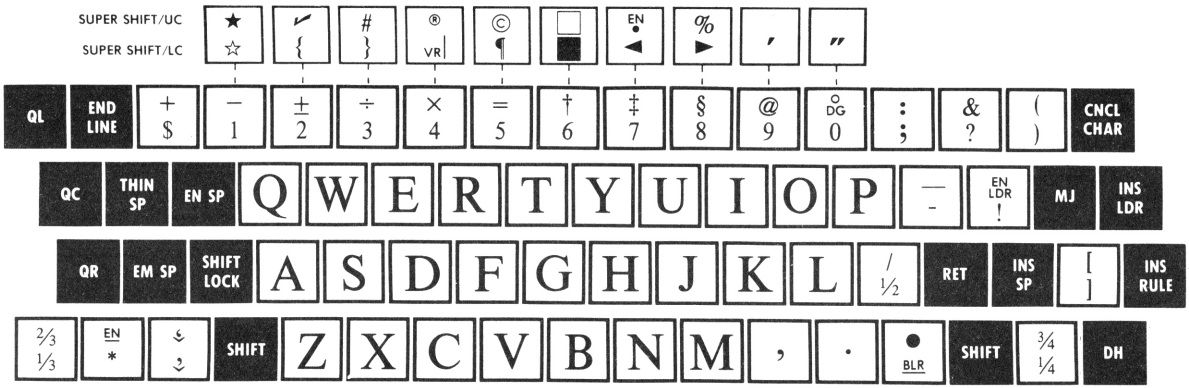

SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
UNSHIFT

Ad complement 500 50
Book & Commercial complement 501. 51
Blank keyboard 52
Multilingual complement 502. 53
Reverse complement 503 55
Blank keyboard 56
Avant Garde Gothic display comp. 504 57
Greek & Math complement 505 58
Greek & Math complement 506 59
Greek & Math complement 507 60
Greek & Math complement 508 61
International Symbols comp. 512 (Unshift) 62
Shift 63
Holiday Symbols comp. 513 (Unshift) 64
Shift 65
Antique Text complement 515 66
Initial & Ornament complement 516. 67
Aura Swash & Alternate complement 518. 68
Copperplate complement 521 69
Small Cap complement 522 70
Russian/Bulgarian complement 524. 71
Ukrainian complement 525 72
Armenian complement 526. 73
Blank keyboard 74
Thermography complement 527. 75
Grizzly Swash & Alternate complement 528 76
Tom's Roman Swash & Alternate comp. 529 77
Paladium, Paladium Semibold
Swash & Alternate comp. 530 78
Paladium Italic Swash & Alternate comp. 531 . . . 79
Cooper Black, Cooper Black Italic
Swash & Alternate complement 532 80
Serif Gothic Reg., Bold, Exbld., Hvy., Outline
Swash & Alternate complement 533 81
Tiffany Light, Medium, Demi
Swash & Alternate complement 534 82
Tiffany Heavy Swash & Alternate comp. 535 83
Libra Swash & Alternate complement 536 85
Goudy Bold, Bold Italic
Swash & Alternate complement 537 86
Artcraft Light, Light Italic, Bold
Swash & Alternate complement 538 87
Bookman, Bookman Italic
Swash & Alternate complement 539 88
Blank keyboard 89
Blank keyboard 90

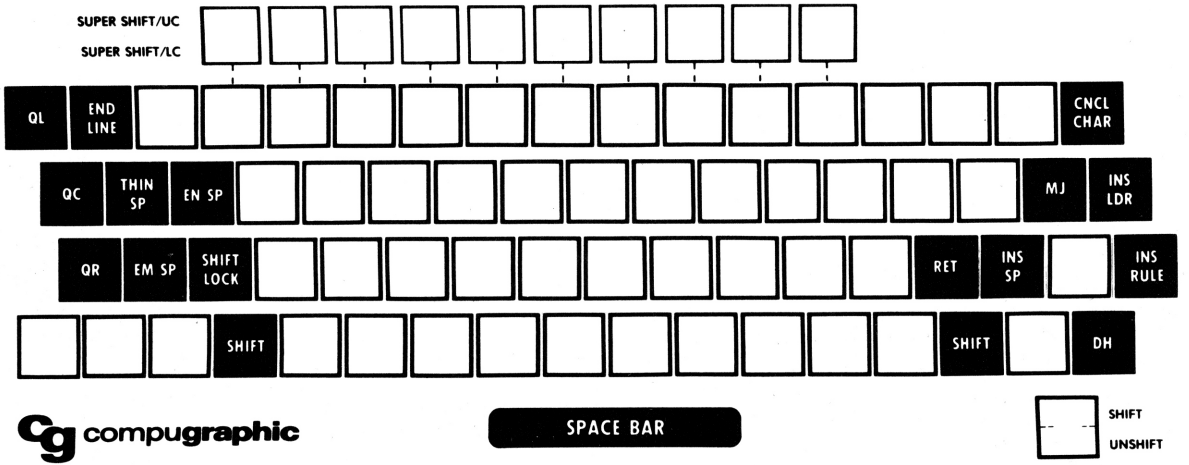
Ad complement 500



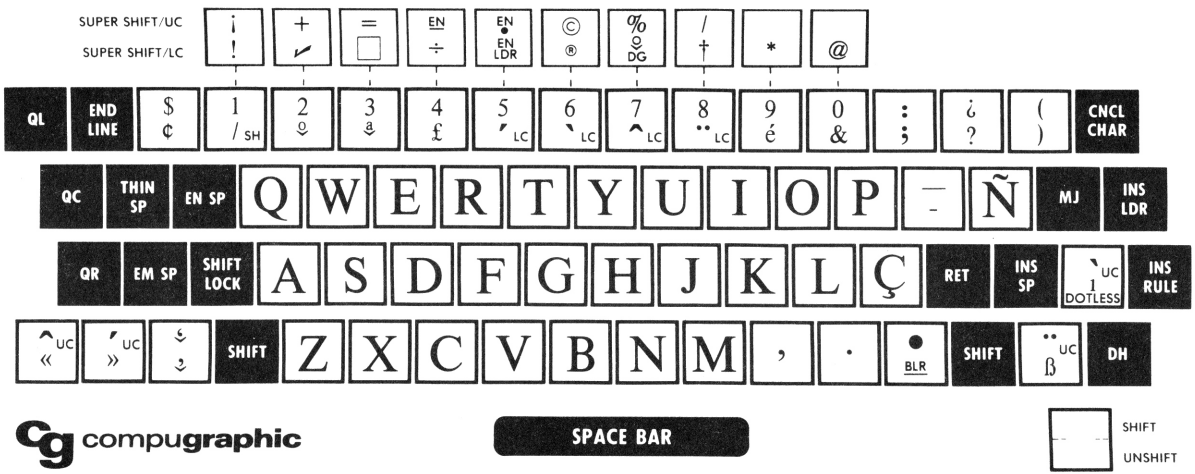
compugraphic



compugraphic



compugraphic


SUPER SHIFT/UC
SUPER SHIFT/LC
¡ !
+
=
EN ÷
EN • EN LDR
© ®
% DG
/ †
*
@
QL
END LINE
$ ¢
1 / SH
2
3 a
4 £
5 LC
6 LC
7 LC
8 LC
9 é
0 &
: ;
¿ ?
( )
CNCL CHAR
QC
THIN SP
EN SP
Q W E R T Y U I O P
Ñ
MJ
INS LDR
QR
EM SP
SHIFT LOCK
A S D F G H J K L Ç
RET
INS SP
UC DOTLESS
INS RULE
UC «
UC »
SHIFT
Z X C V B N M , .
BLR
SHIFT
UC ß
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT

This layout applies to reverse typefaces only.

The "beginning" and "ending" wedges for italic reverse typefaces are always assigned a zero width value.

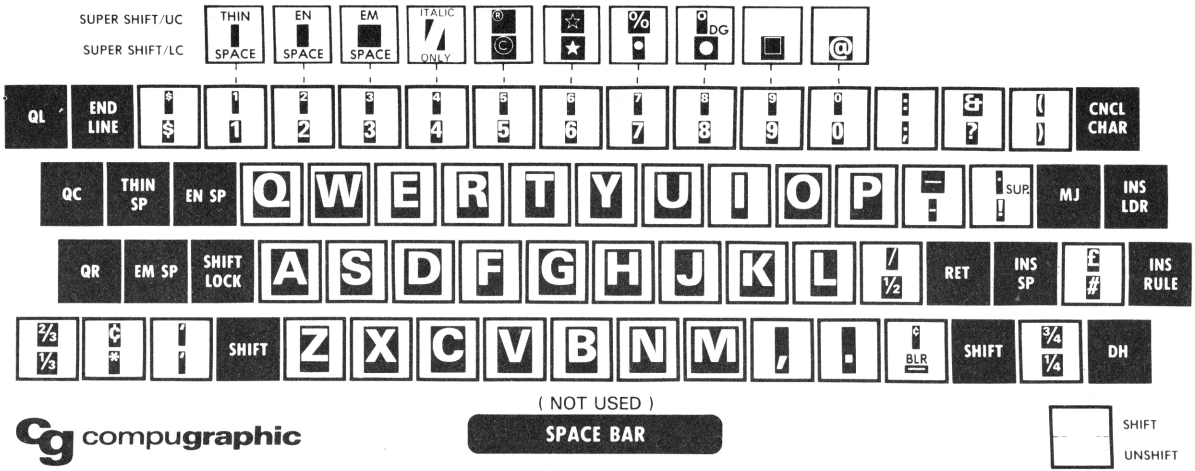
Letterspacing, justification, kerning or character compensation is not recommended.

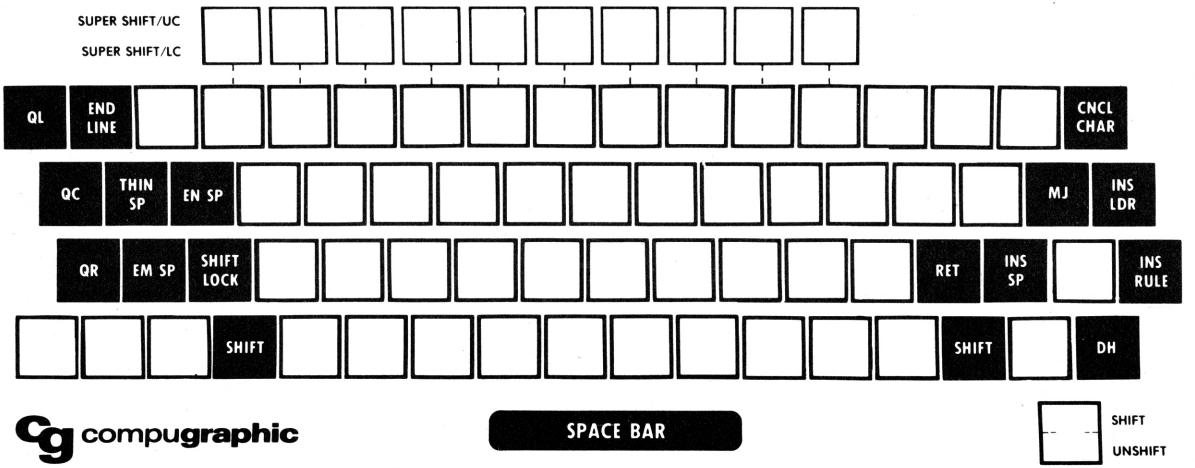
The space bar (word space), regular thin, en and em space will produce white spaces.

The leading (line space) setting should be ½ point smaller than the specified point size.

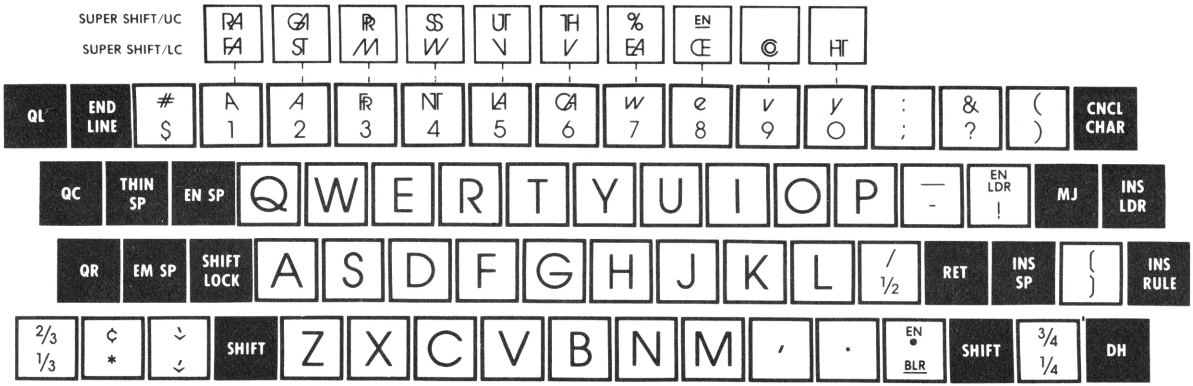
Fixed spaces—refer to notes above and keytops to the right.

1—Reverse thin space
2—Reverse en space
3—Reverse em space
4—Reverse beginning wedge, italic typefaces only
5—Reverse ending wedge, italic typefaces only

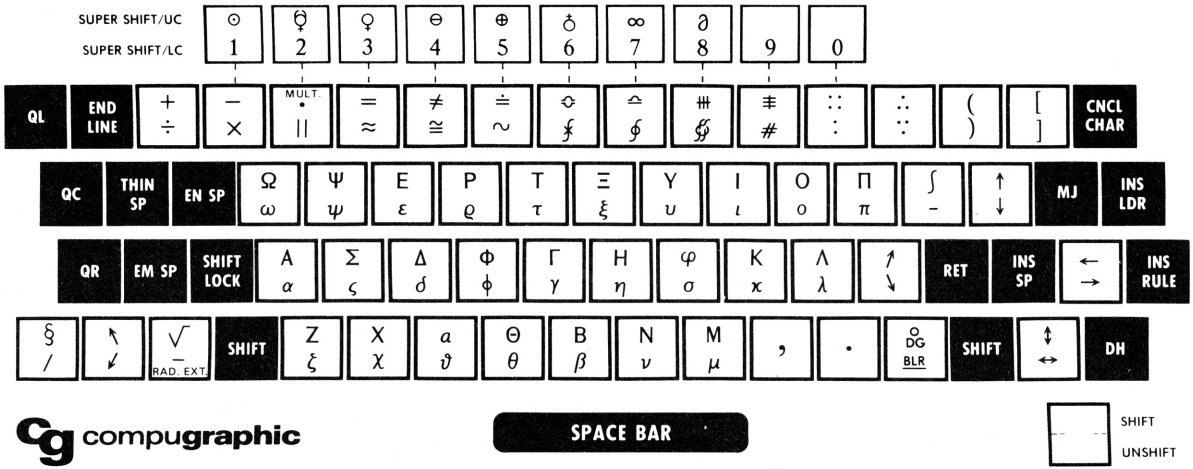

SUPER SHIFT/UC
SUPER SHIFT/LC
THIN SPACE
EN SPACE
EM SPACE
ITALIC ONLY
DG
@
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
SUP.
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
BLR
SHIFT
DH
(NOT USED)
SPACE BAR
compugraphic
SHIFT
UNSHIFT


SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT

Avant Garde Gothic display complement 504

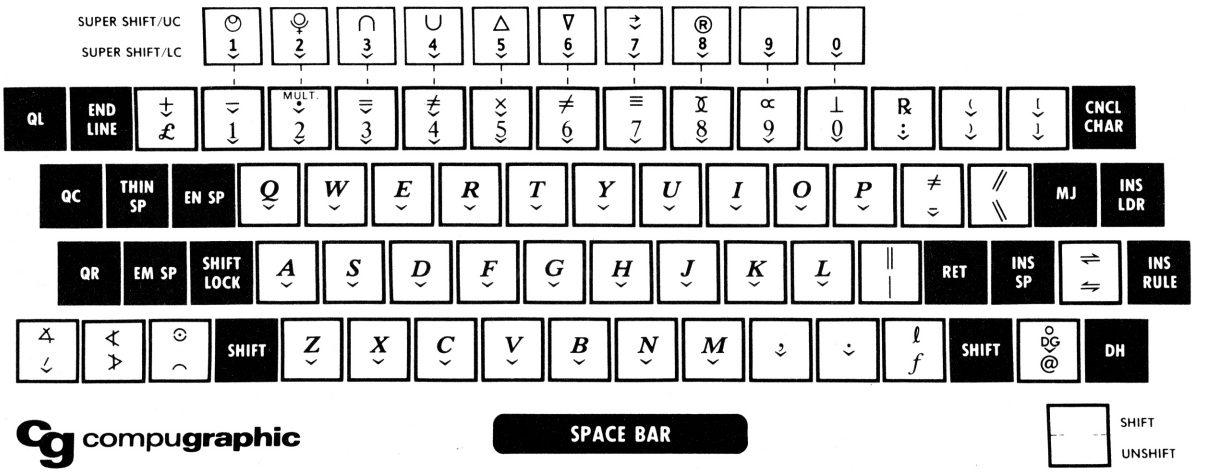


Greek & Math complement 505



SUPER SHIFT/UC
SUPER SHIFT/LC
1
2
3
4
5
6
7
8
9
0
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT

Greek & Math complement 507

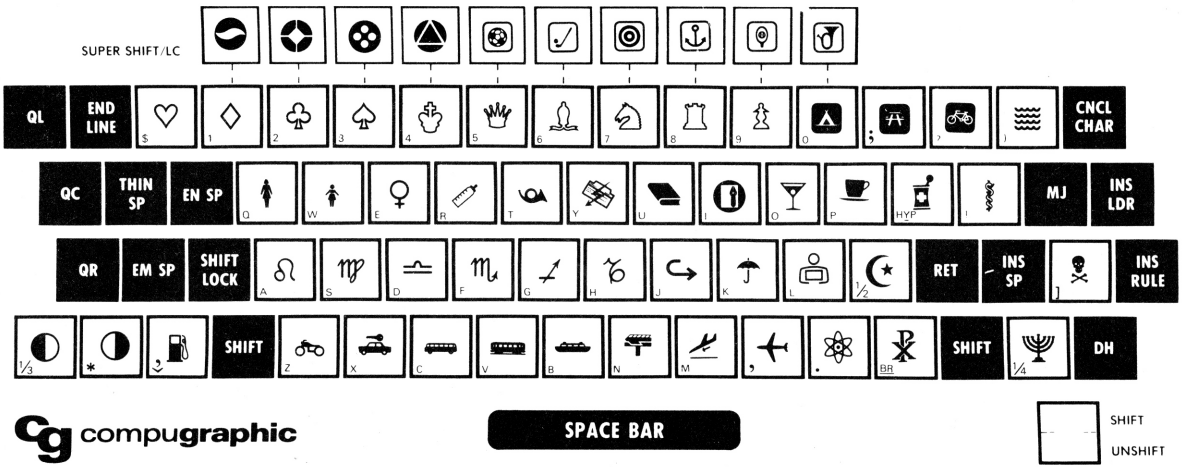


compugraphic

compugraphic

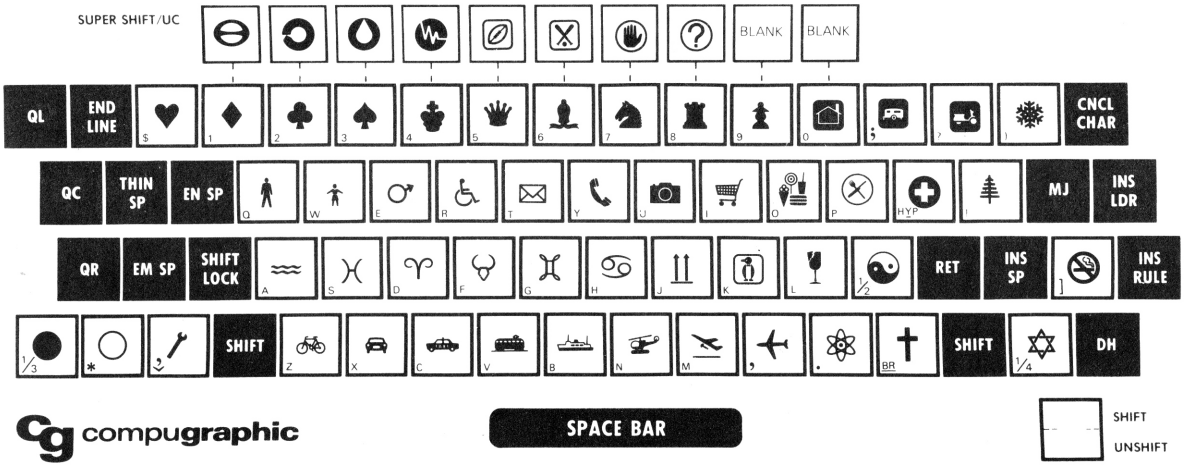
International Symbols complement 512

Unshift



International Symbols complement 512

Shift



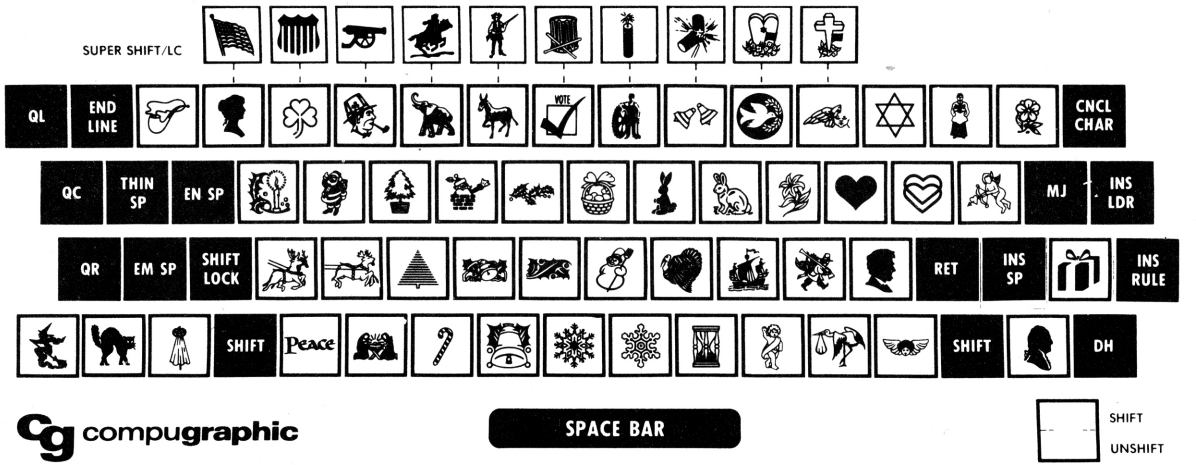
compugraphic

Holiday Symbols complement 513

Unshift

Characters in shift and unshift positions on key A and shift and unshift key S are common connecting elements.

Characters in shift and unshift position on key 9 are common connecting elements.

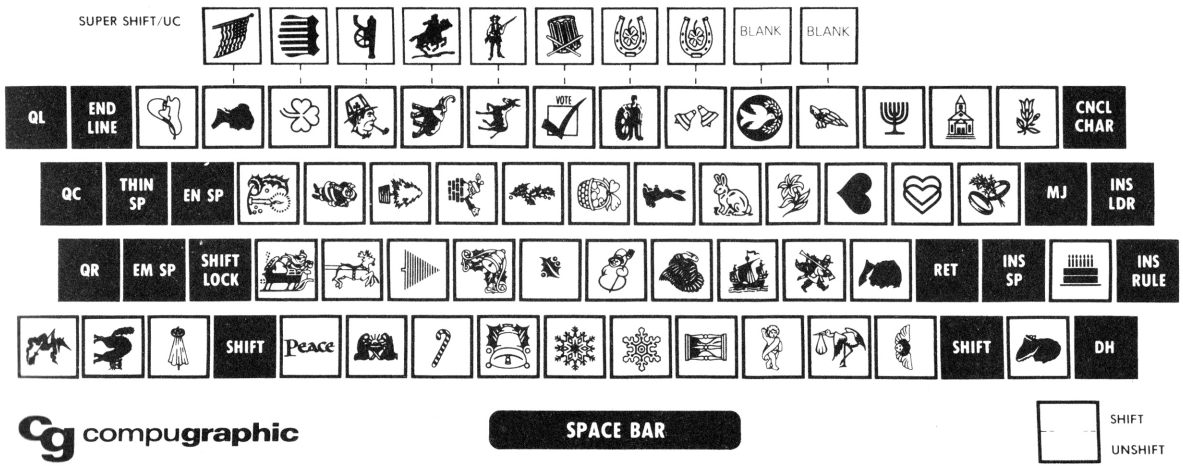


Holiday Symbols complement 513

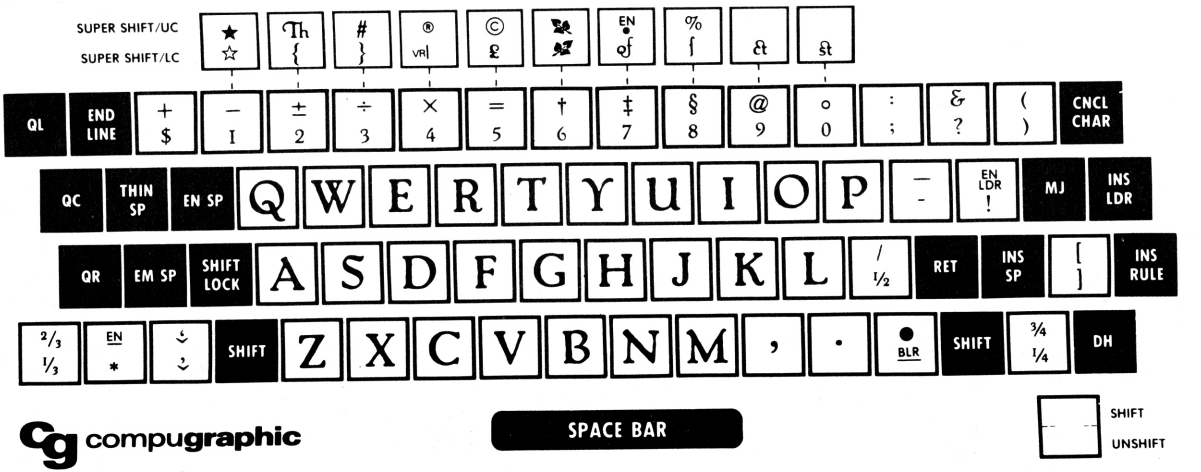
Shift

Characters in shift and unshift positions on key A and shift and unshift key S are common connecting elements.

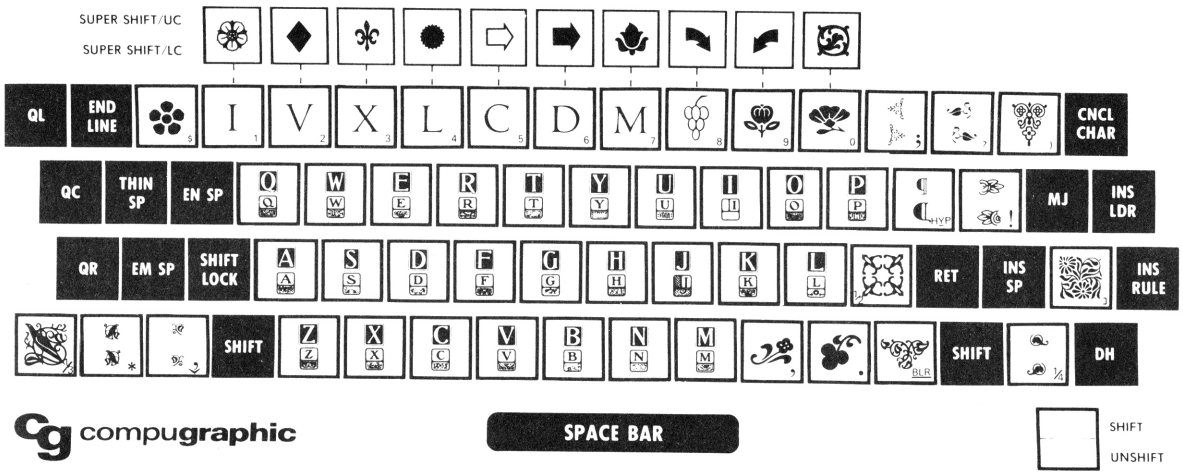
Characters in shift and unshift position on key 9 are common connecting elements.



Antique Text complement 515



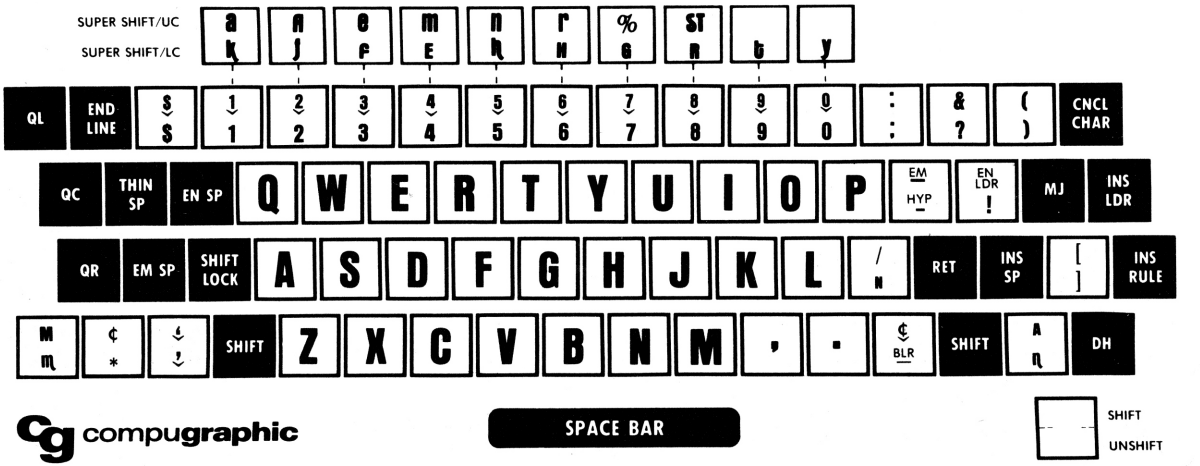
Initial & Ornament complement 516

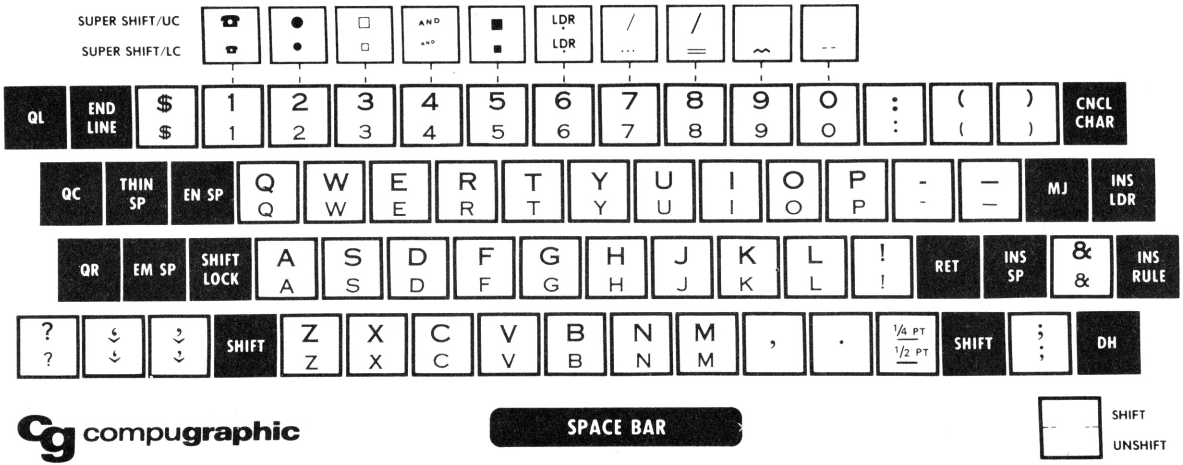


compugraphic

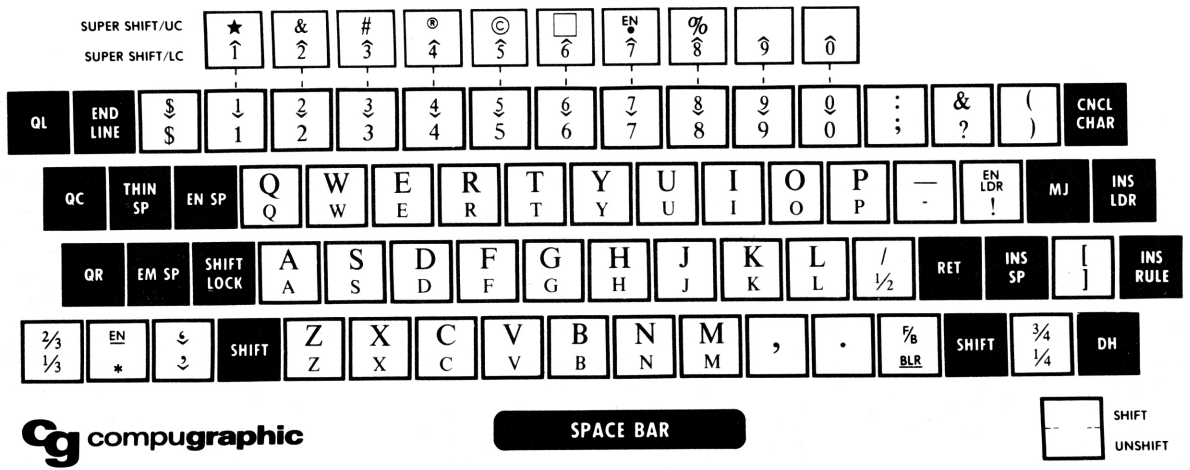
Swash & Alternate character complement 518

Aura



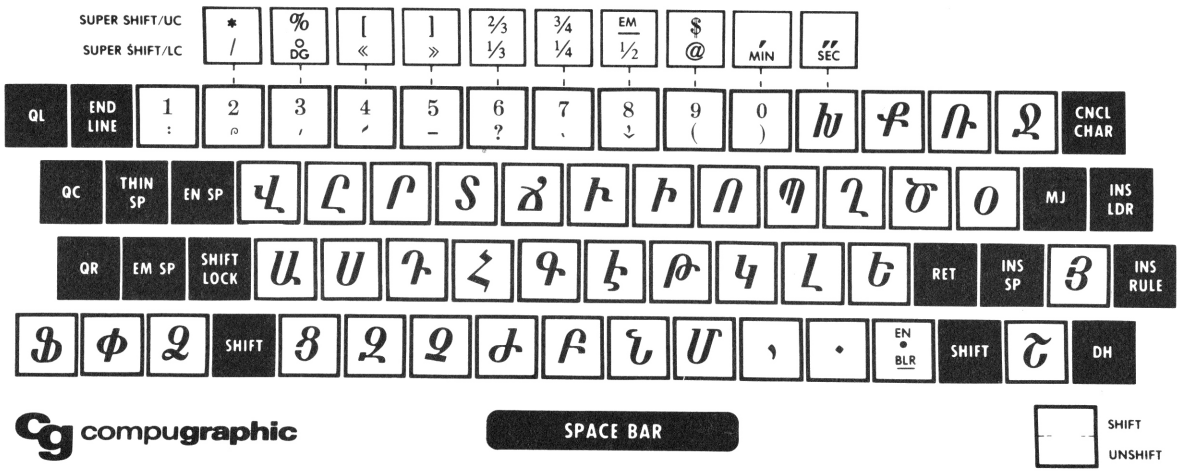

SUPER SHIFT/UC
SUPER SHIFT/LC
LDR
LDR
AND
AND
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
DH
1/4 PT
1/2 PT
compugraphic
SPACE BAR
SHIFT
UNSHIFT

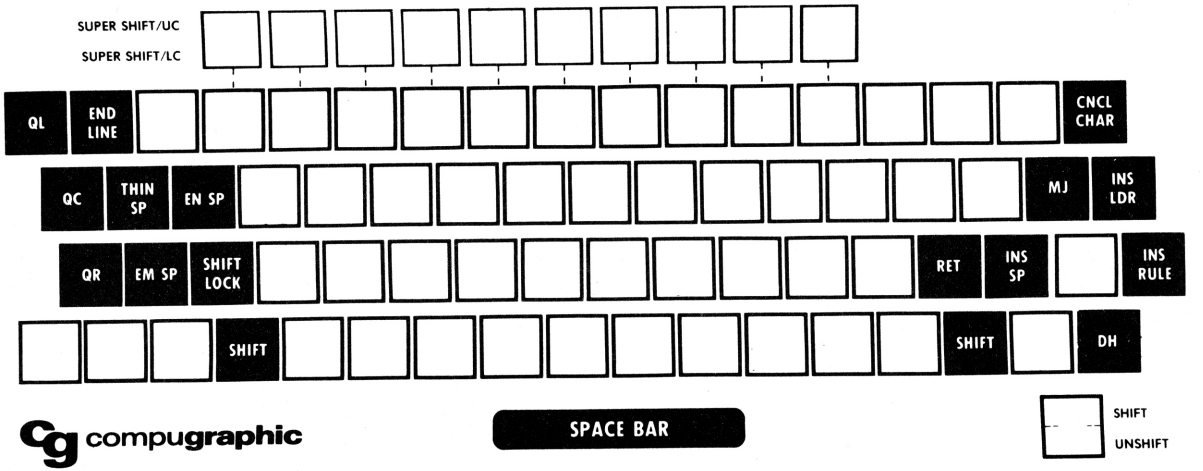
Small Cap complement 522



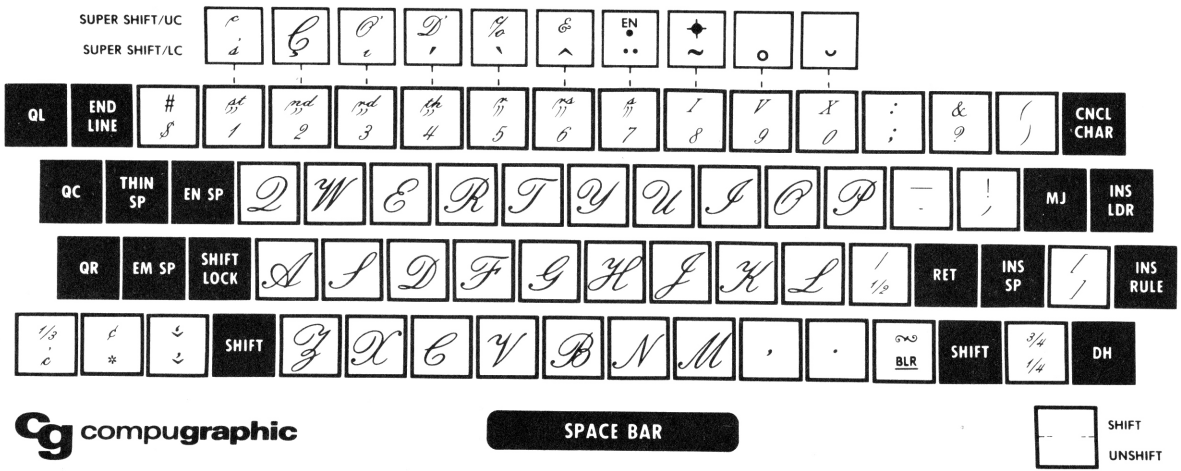
SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
QC
THIN SP
EN SP
QR
EM SP
SHIFT LOCK
SHIFT
CNCL CHAR
MJ
INS LDR
RET
INS SP
INS RULE
SHIFT
DH
EN LDR
EM BLR
SPACE BAR
SHIFT
UNSHIFT
compugraphic

Ukrainian complement 525


SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
DH
EN BLR
SPACE BAR
SHIFT
UNSHIFT
compugraphic

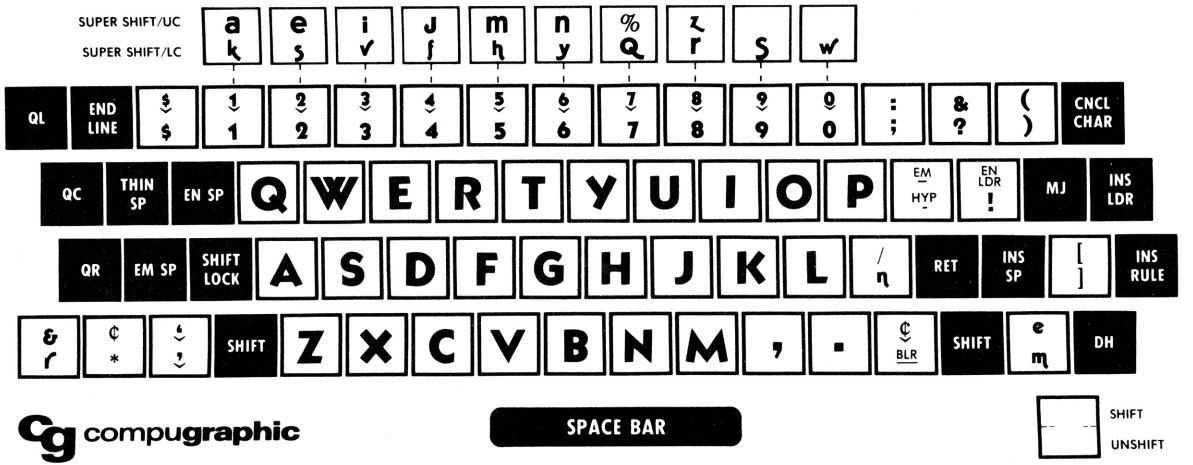

SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT

The opening upstroke (⁄) is used with pen scripts. All other faces will have an opening flourish (~) in that key position.



Swash & Alternate character complement 528

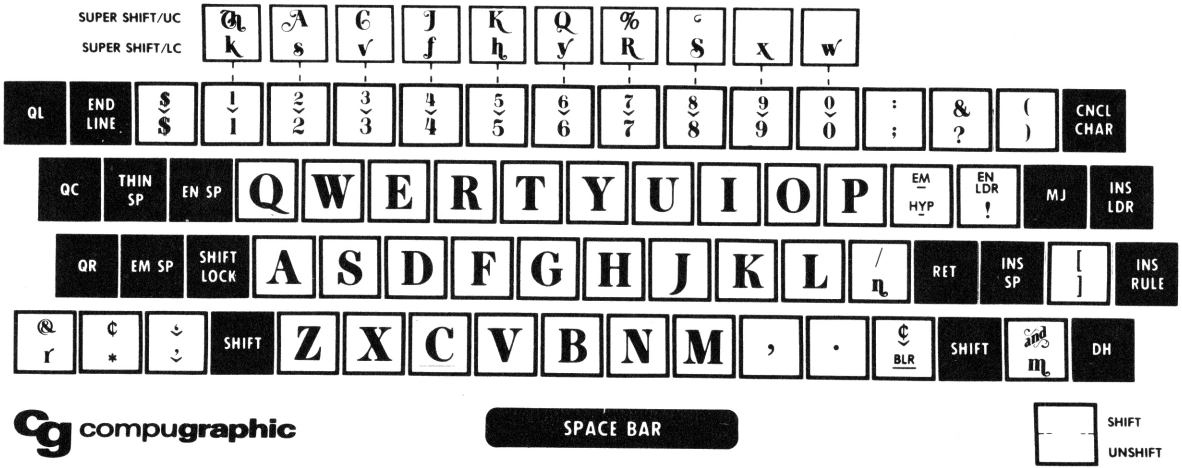
Grizzly



Swash & Alternate character complement 529

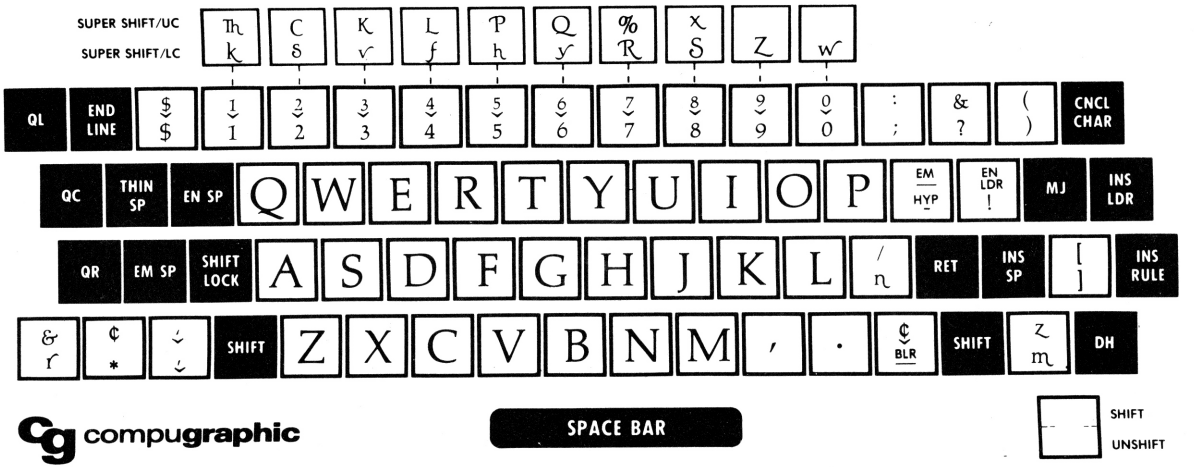
Tom's Roman

The piece swash (H) is to be used with straight sided cap characters.



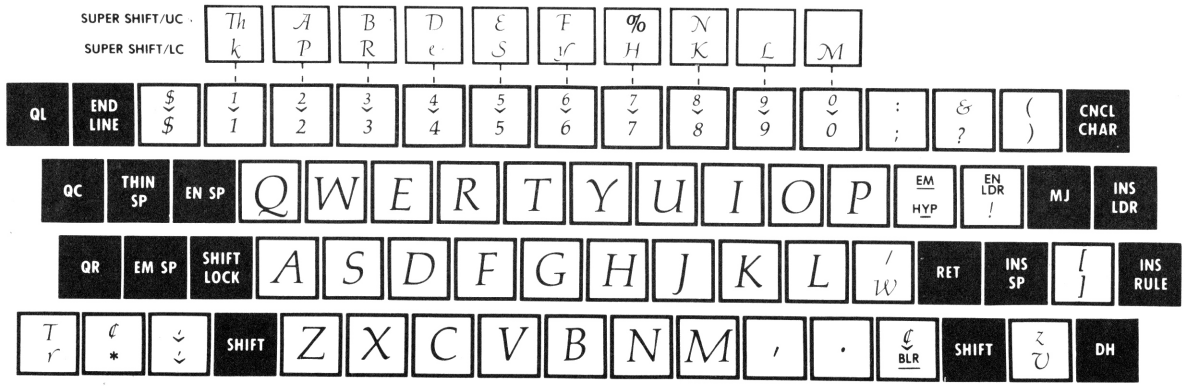
Swash & Alternate character complement 530

Paladium, Paladium Semibold



Swash & Alternate character complement 531

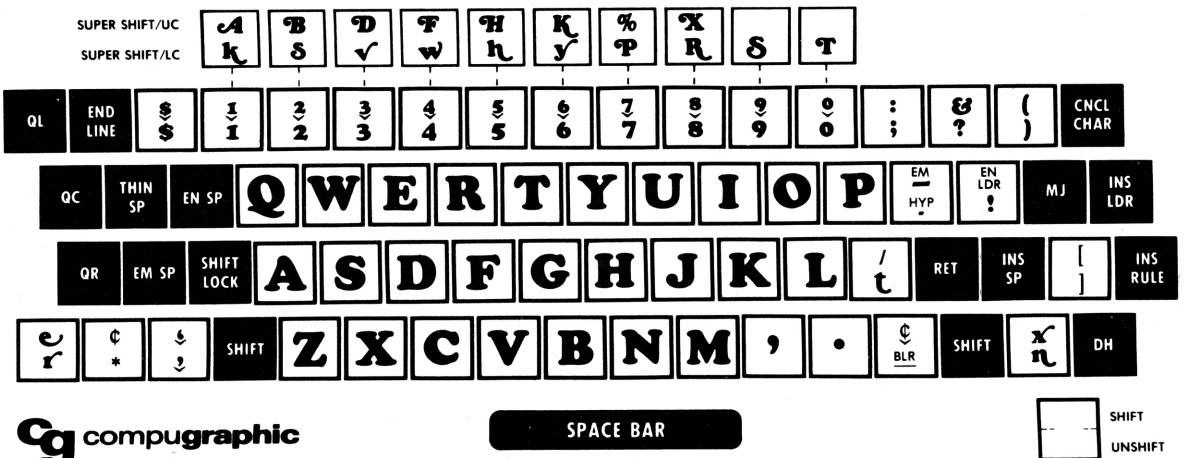
Paladium Italic



compugraphic

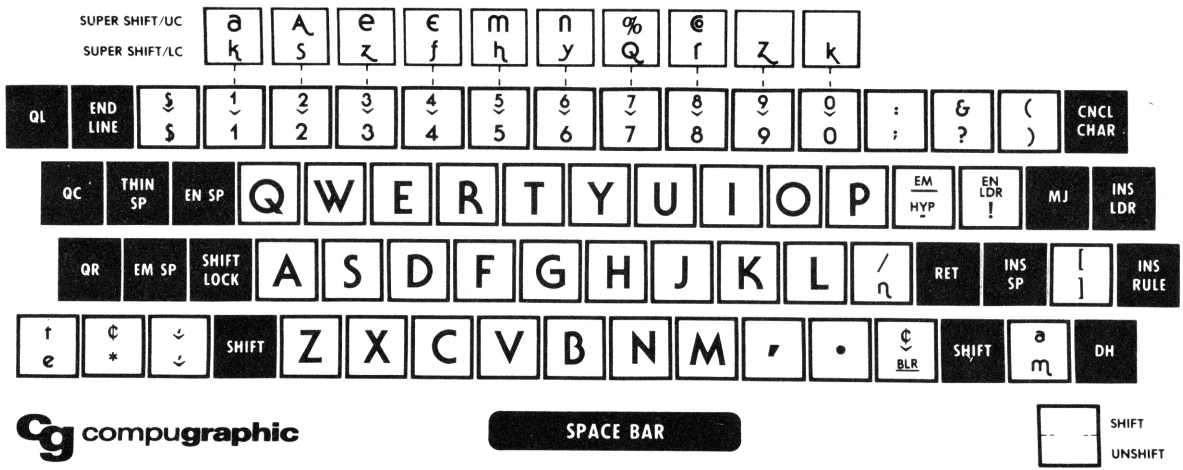
Swash & Alternate character complement 532

Cooper Black, Cooper Black Italic



Swash & Alternate character complement 533

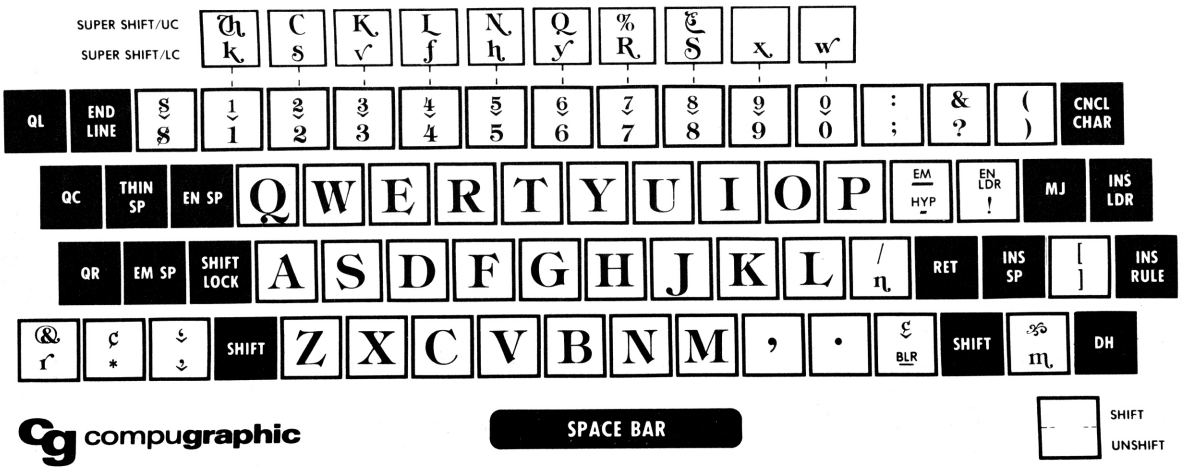
Serif Gothic Regular, Bold, Extrabold, Heavy, Outline



Swash & Alternate character complement 534

Tiffany Light, Medium, Demi

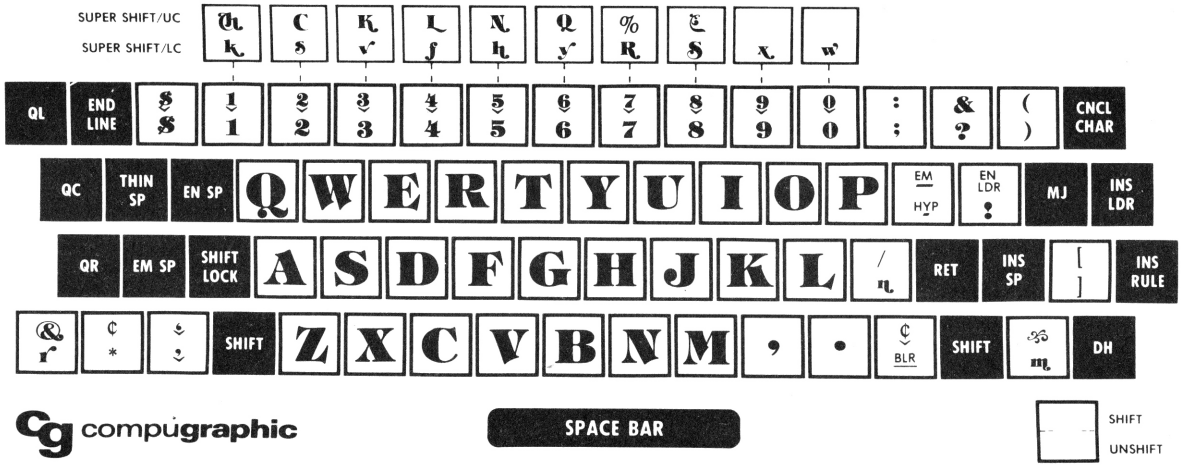
The piece swash ( ) is to be used with straight sided cap characters.



Swash & Alternate character complement 535

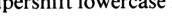
Tiffany Heavy

The piece swash ( ) is to be used with straight sided cap characters.



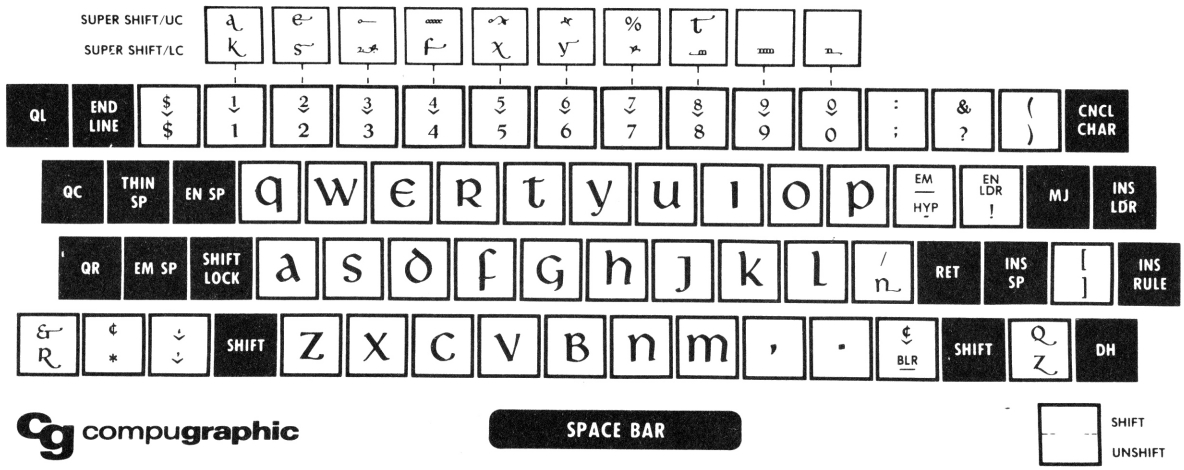
compugraphic

Characters in supershift uppercase key positions 3 (), 4 () and 5 () are common connecting elements. ()

Characters in supershift lowercase key positions 8 (), 9 () and 0 () are common connecting elements. ()

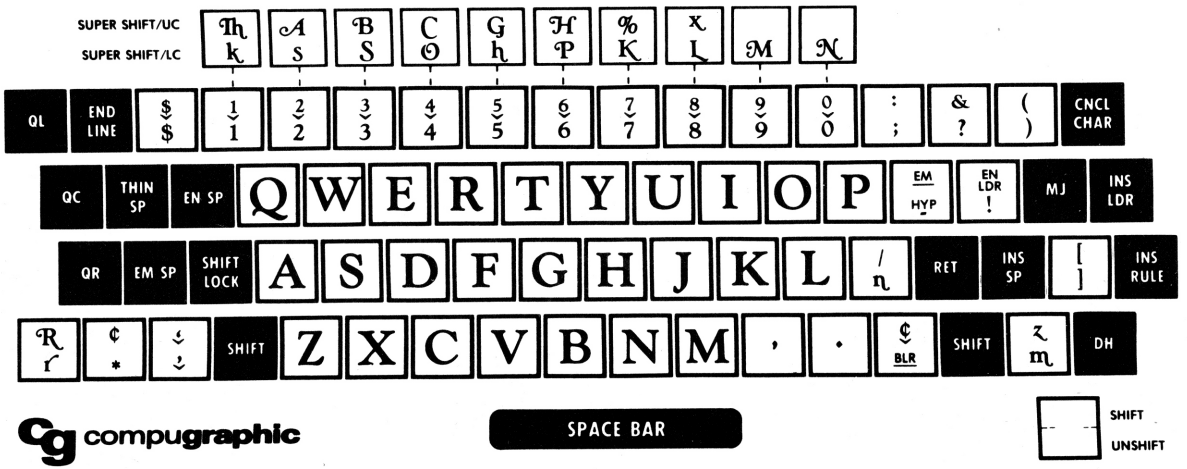
Swash & Alternate character complement 536

Libra



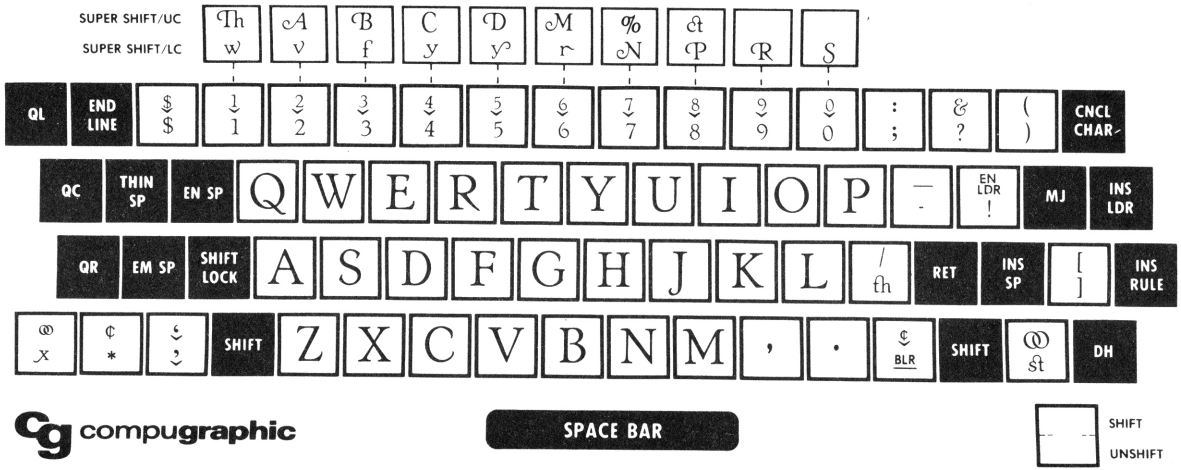
Swash & Alternate character complement 537

Goudy Bold, Bold Italic



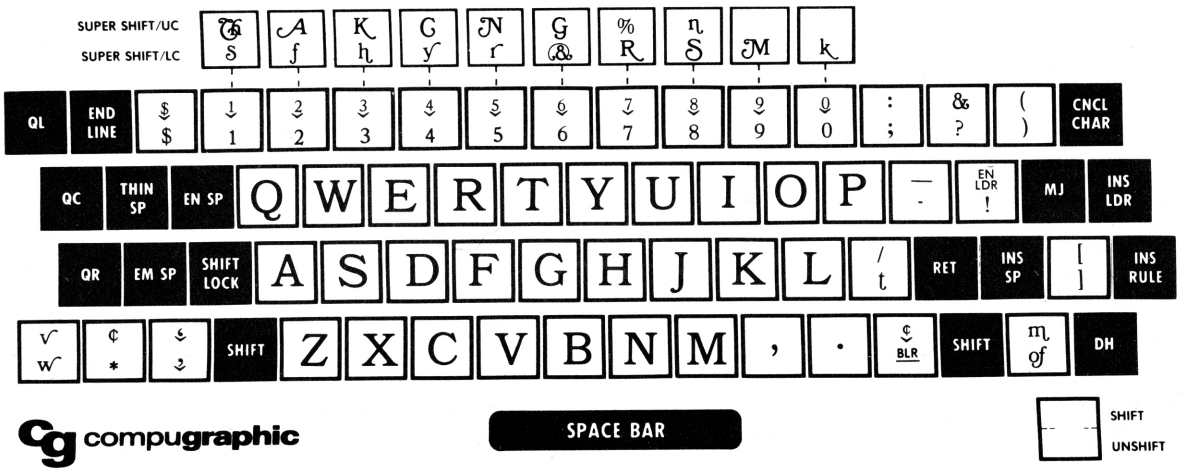
Swash & Alternate character complement 538

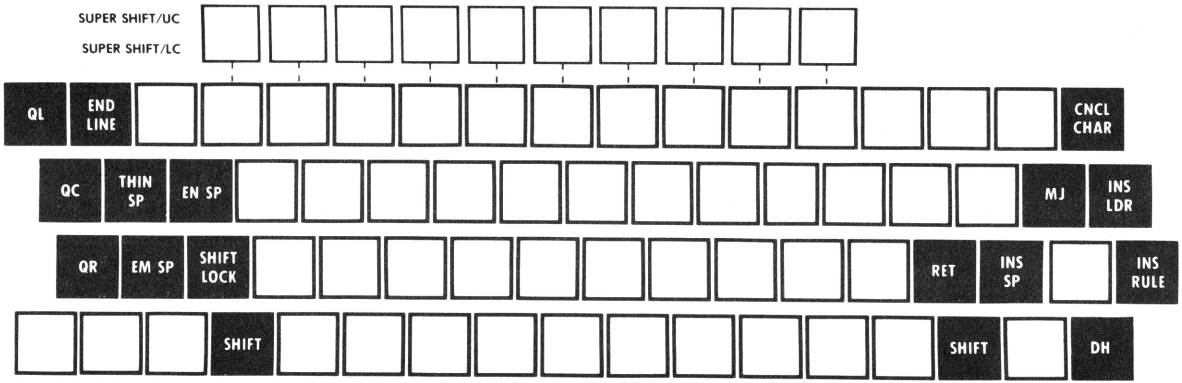
Artcraft Light, Light Italic, Bold



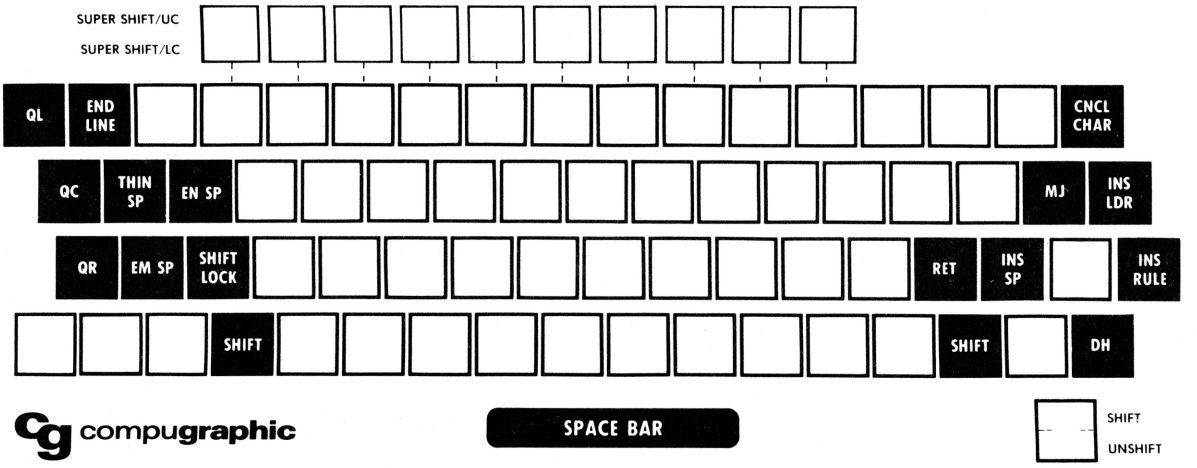
Swash Alternate character complement 539

Bookman, Bookman Italic





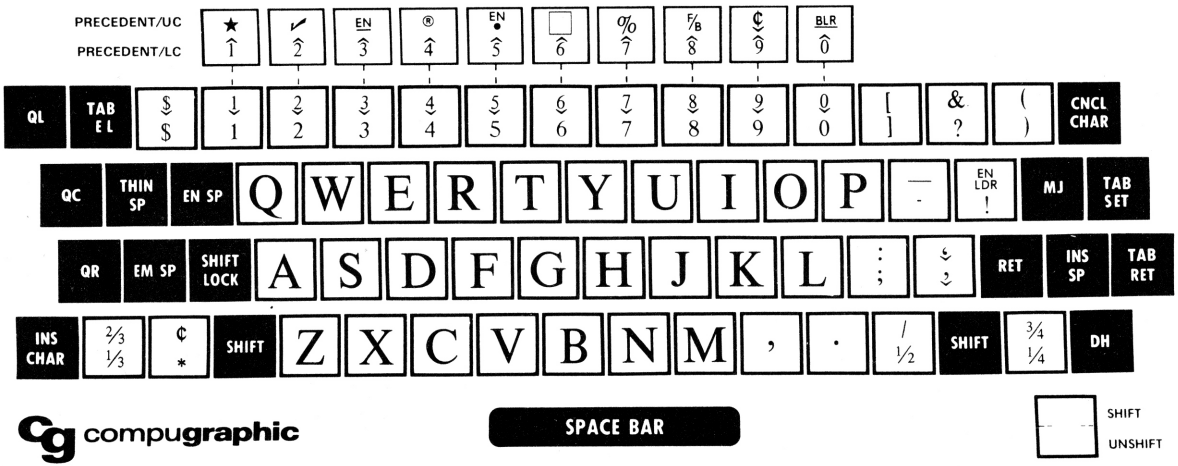
compugraphic

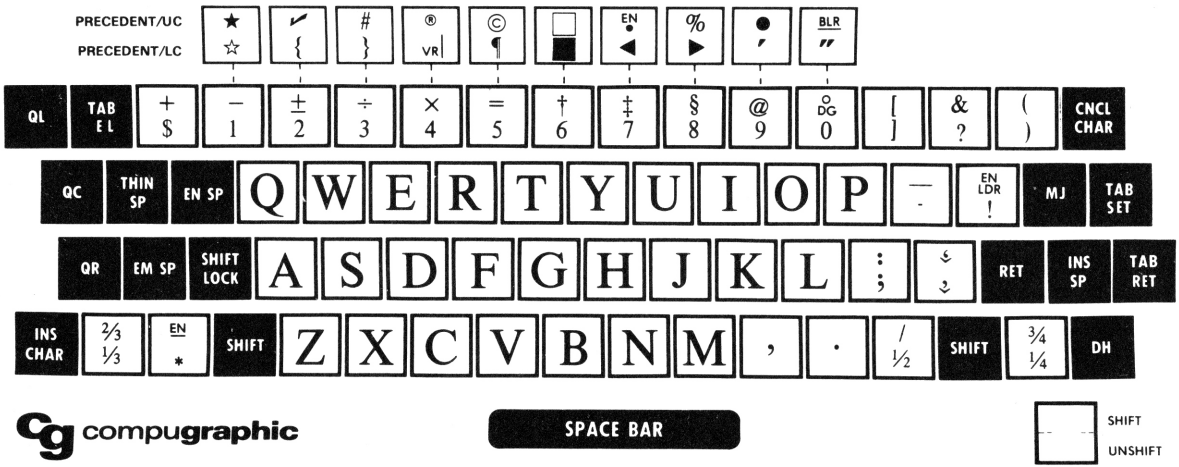

SUPER SHIFT/UC
SUPER SHIFT/LC
QL
END LINE
CNCL CHAR
QC
THIN SP
EN SP
MJ
INS LDR
QR
EM SP
SHIFT LOCK
RET
INS SP
INS RULE
SHIFT
SHIFT
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT

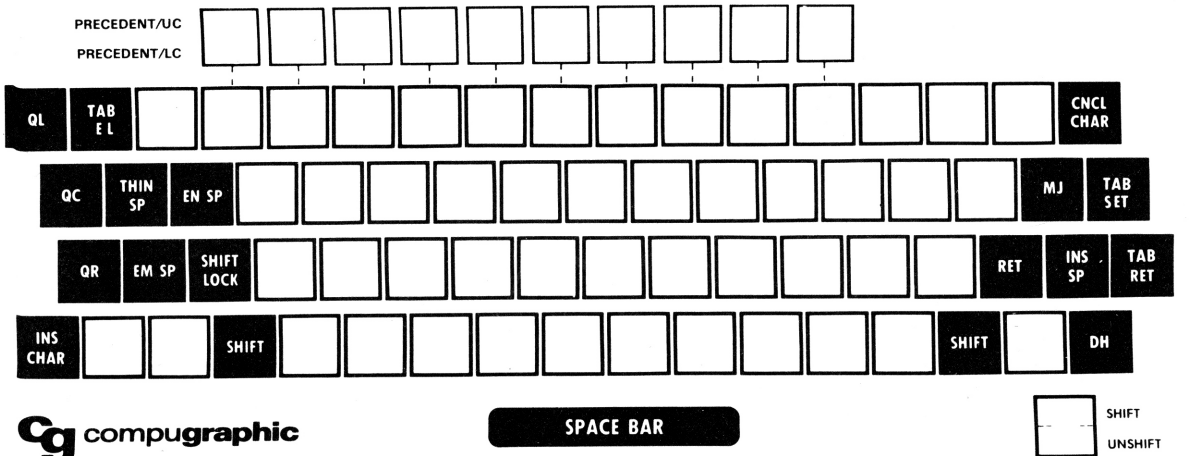
Ad complement 500 92
Book & Commercial compiement 501. 93
Blank keyboard 94
Multilingual complement 502. 95
Reverse complement 503 97
Blank keyboard 98
Avant Garde Gothic display complement 504 99
Greek & Math complement 505 100
Greek & Math complement 506 101
Greek & Math complement 507 102
Greek & Math complement 508 103
International Symbols comp. 512 (Unshift) 104
Shift 105
Holiday Symbols comp. 513 (Unshift) 106
Shift 107
Antique Text complement 515 108
Initial & Ornament complement 516. 109
Aura Swash & Alternate character comp. 518. . . 110
Copperplate complement 521 111
Blank keyboard 112
Small Cap complement 522 113
Blank keyboard 114
Thermography complement 527 115
Grizzly Swash & Alternate complement 528 116
Tom's Roman Swash & Alternate comp. 529 . . . 117
Paladium, Paladium Semibold
Swash & Alternate complement 530 118

Paladium Italic Swash & Alternate comp. 531 . . 119
Cooper Black, Cooper Black Italic
Swash & Alternate complement 532 120
Serif Gothic Regular, Bold, Exbld., Hvy., Outline
Swash & Alternate complement 533 121
Tiffany Light, Medium, Demi
Swash & Alternate complement 534 122
Tiffany Heavy Swash & Alternate comp. 535 . . . 123
Libra Swash & Alternate complement 536 125
Goudy Bold, Bold Italic
Swash & Alternate complement 537 126
Artcraft Light, Light Italic, Bold
Swash & Alternate complement 538 127
Bookman, Bookman Italic
Swash & Alternate complement 539 128
Blank keyboard 129
Blank keyboard 130

Ad complement 500

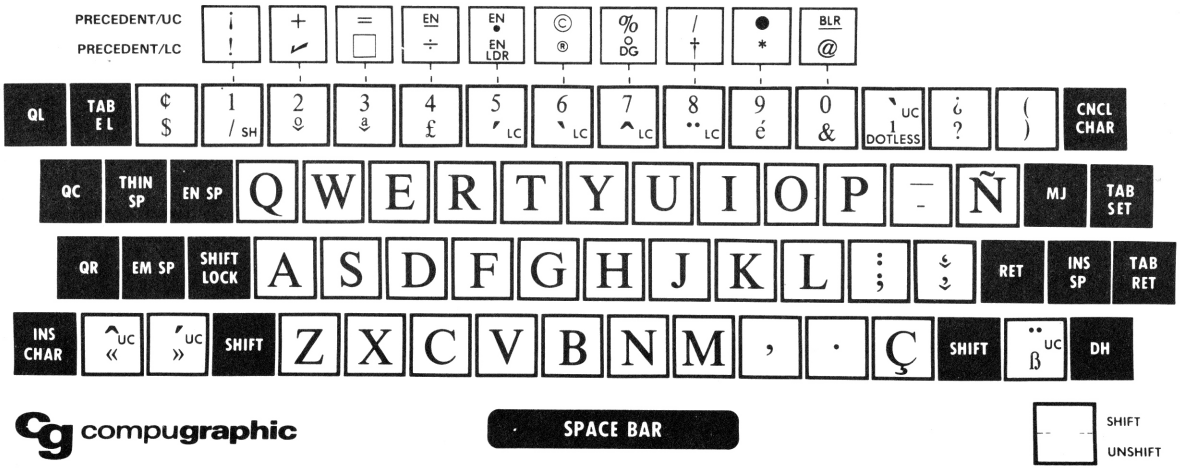



PRECEDENT/UC
PRECEDENT/LC
QL
TAB E L
CNCL CHAR
QC
THIN SP
EN SP
MJ
TAB SET
QR
EM SP
SHIFT LOCK
RET
INS SP
TAB RET
INS CHAR
SHIFT
DH
SHIFT
UNSHIFT
SPACE BAR
compugraphic



compugraphic

Multilingual complement 502



This layout applies to reverse typefaces only.

The "beginning" and "ending" wedges for italic reverse typefaces are always assigned a zero width value.

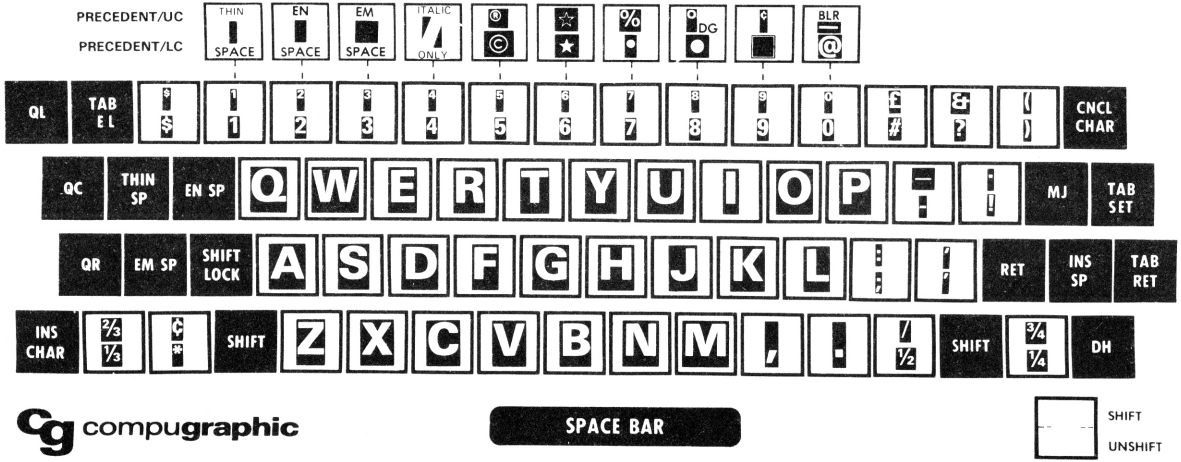
Letterspacing, justification, kerning or character compensation is not recommended.

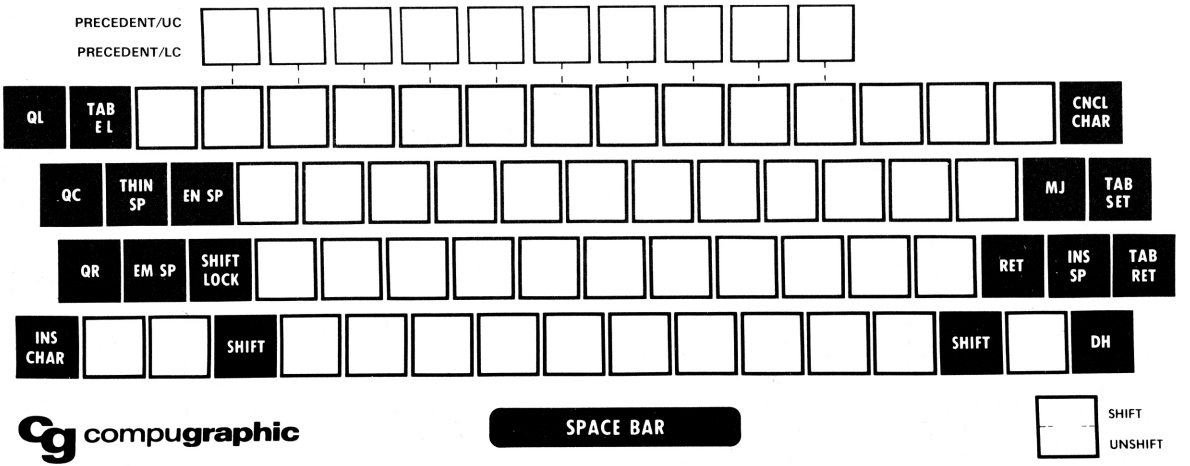
The space bar (word space), regular thin, en and em space will produce white spaces.

The leading (line space) setting should be ½ point smaller than the specified point size.

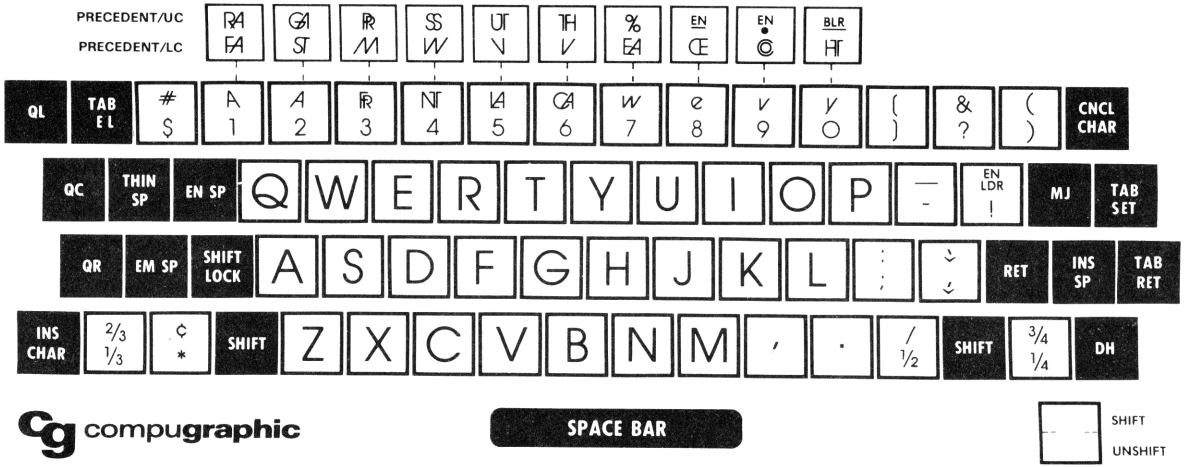
Fixed spaces—refer to notes above and keytops to the right.

1—Reverse thin space
2—Reverse en space
3—Reverse em space
4—Reverse beginning wedge, italic typefaces only
5—Reverse ending wedge, italic typefaces only


PRECEDENT/UC
PRECEDENT/LC
THIN SPACE
EN SPACE
EM SPACE
ITALIC ONLY
DG
BLR
QL
TAB EL
CNCL CHAR
QC
THIN SP
EN SP
MJ
TAB SET
QR
EM SP
SHIFT LOCK
RET
INS SP
TAB RET
INS CHAR
SHIFT
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT


PRECEDENT/UC
PRECEDENT/LC
QL
TAB E L
CNCL CHAR
QC
THIN SP
EN SP
MJ
TAB SET
QR
EM SP
SHIFT LOCK
RET
INS SP
TAB RET
INS CHAR
SHIFT
SHIFT
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT

Avant Garde Gothic display complement 504

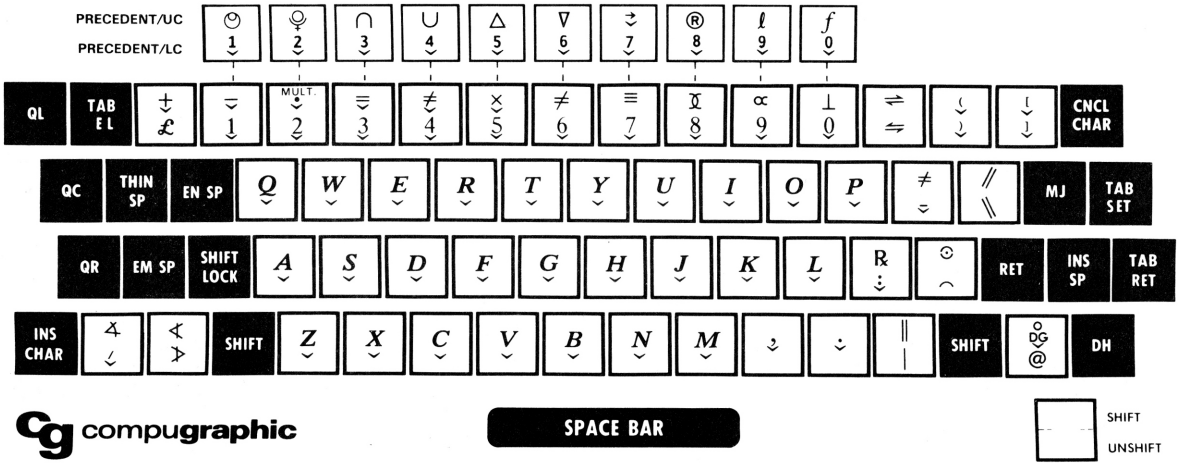


Greek & Math complement 505

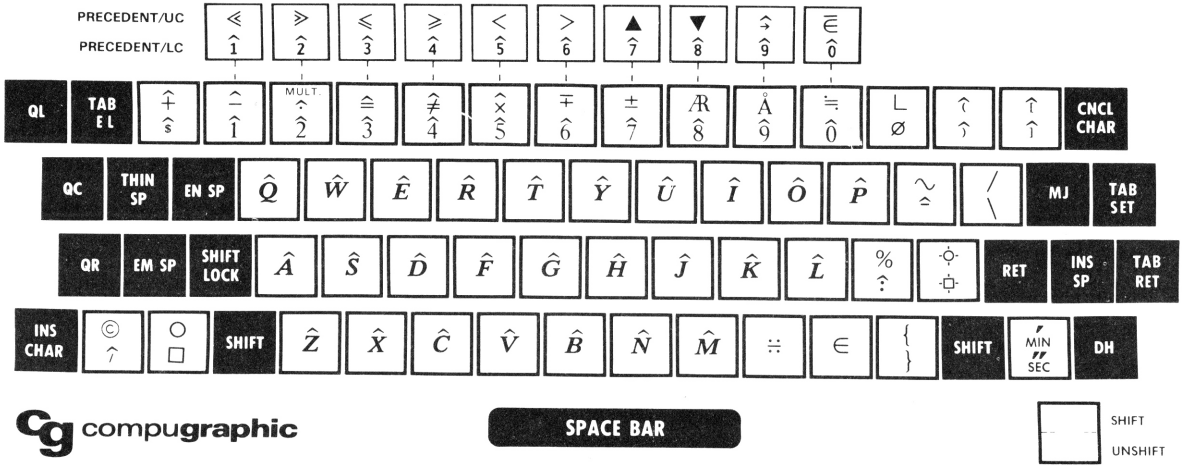
Greek & Math complement 506

compugraphic

Greek & Math complement 507



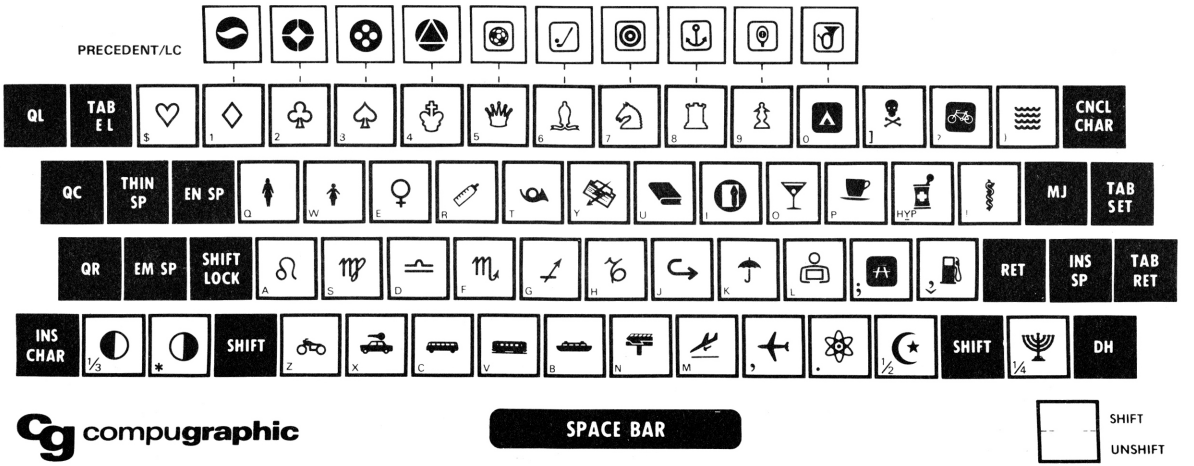
Greek & Math complement 508



compugraphic

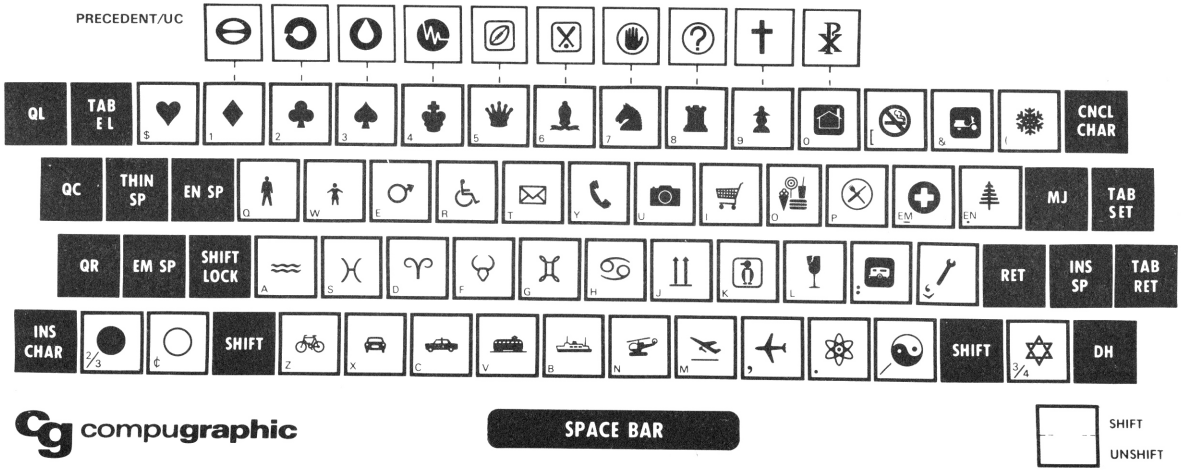
International Symbols complement 512

Unshift



International Symbols complement 512

Shift

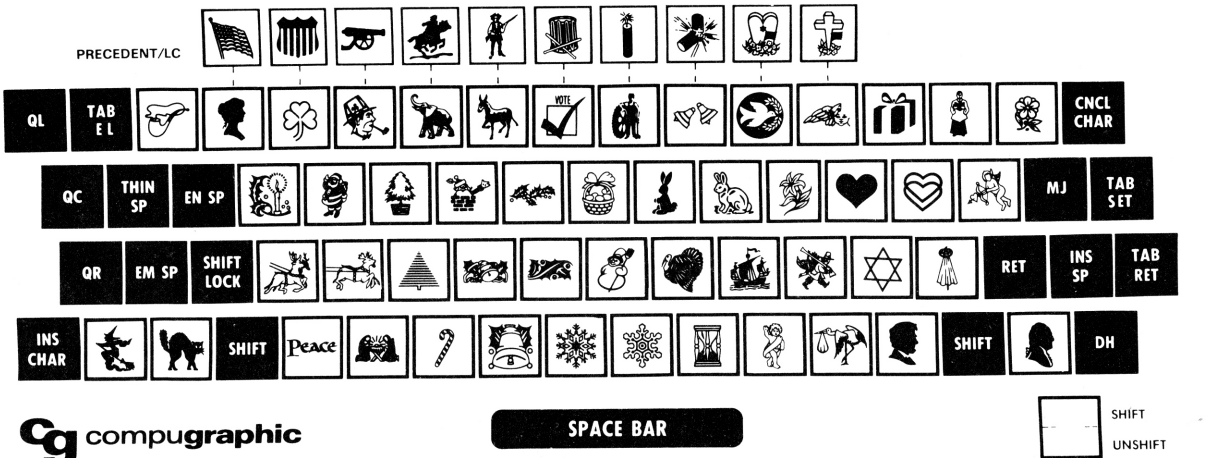


Holiday Symbols complement 513

Unshift

Characters in shift and unshift positions on key A and shift and unshift key S are common connecting elements.

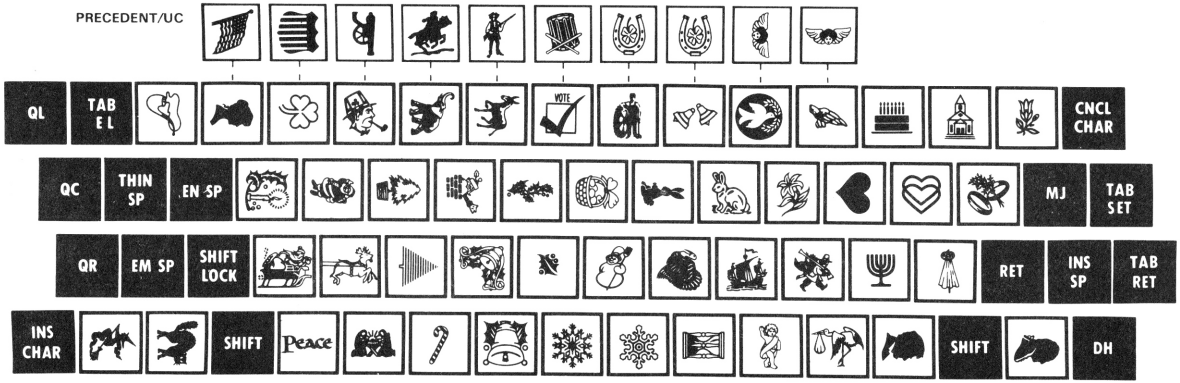
Characters in shift and unshift position on key 9 are common connecting elements.



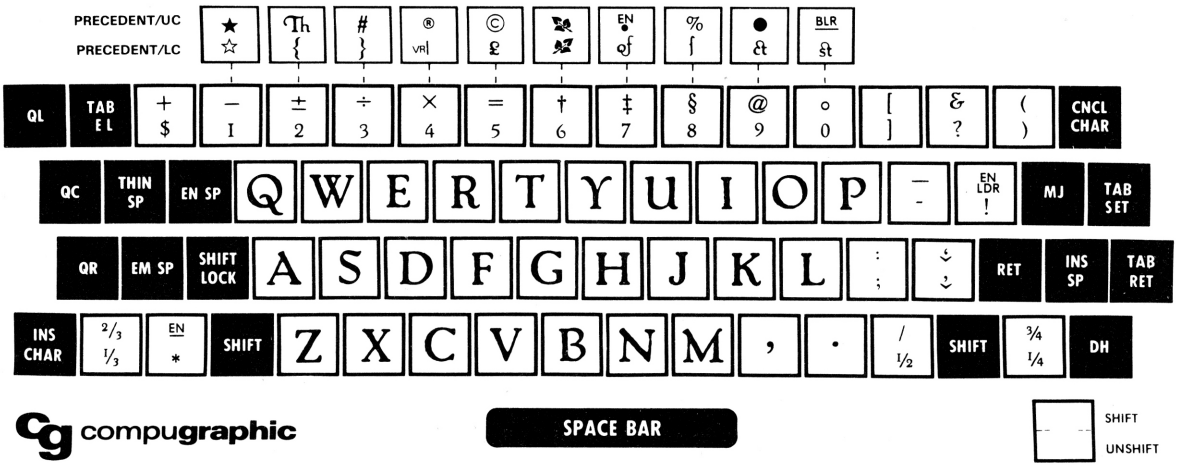
compugraphic

Holiday Symbols complement 513

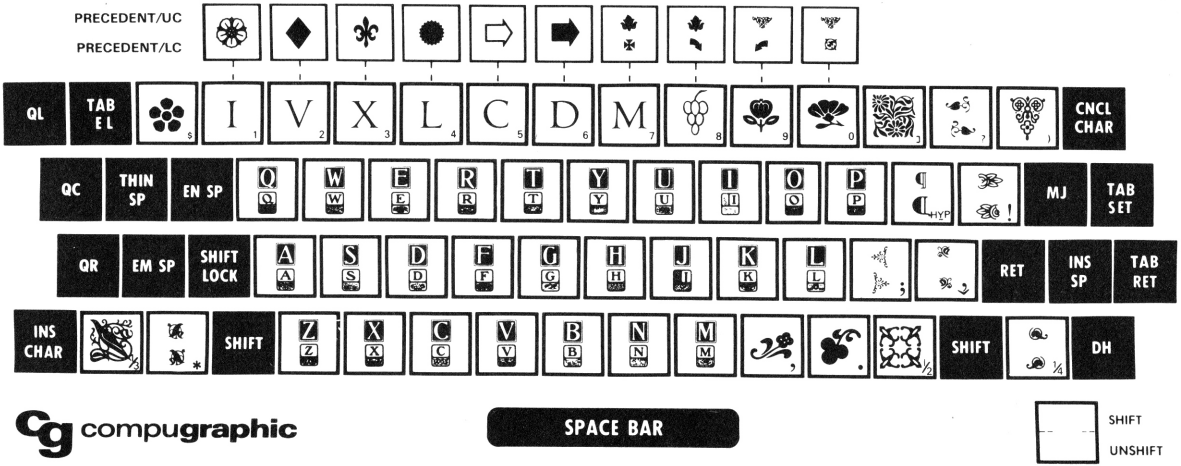
Shift



Antique Text complement 515



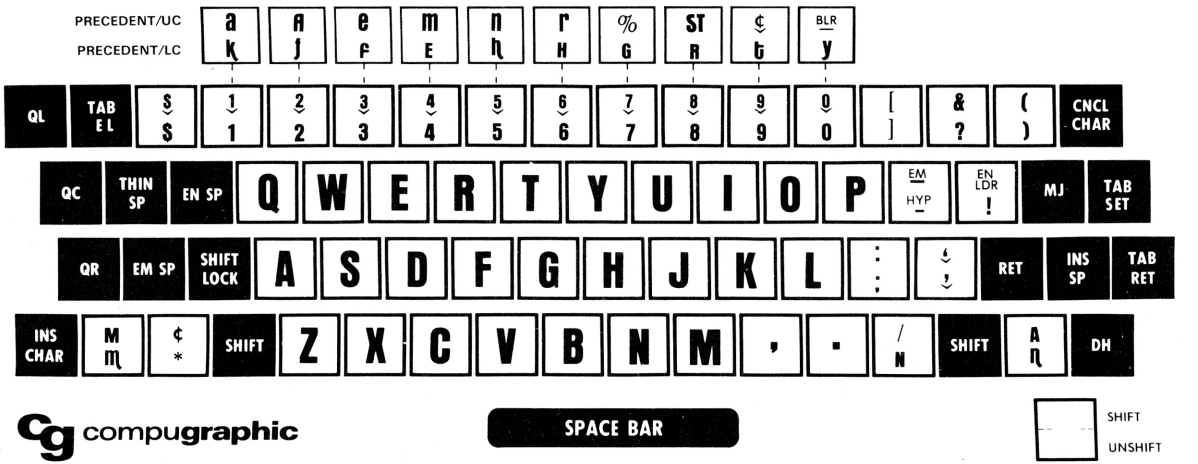
Initial & Ornament complement 516



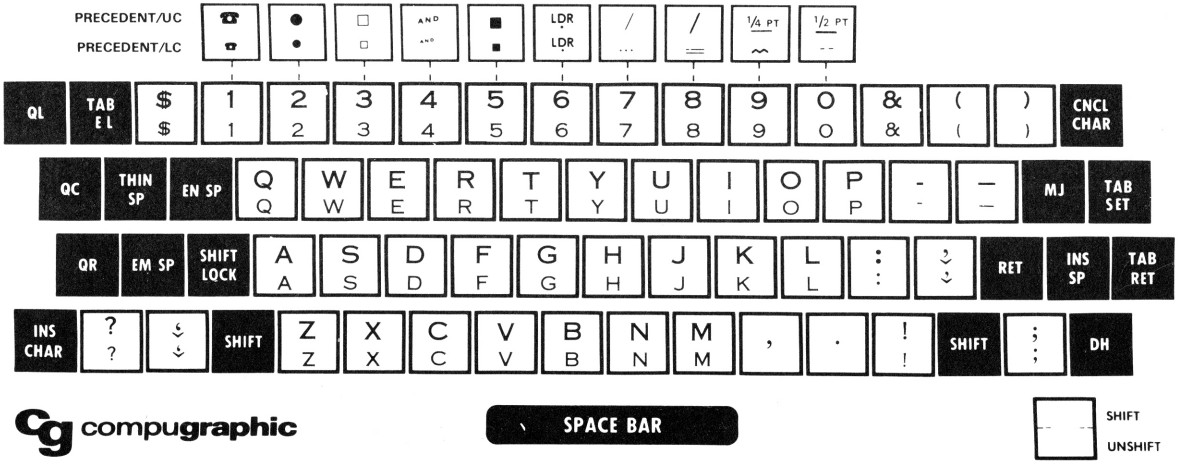
compugraphic

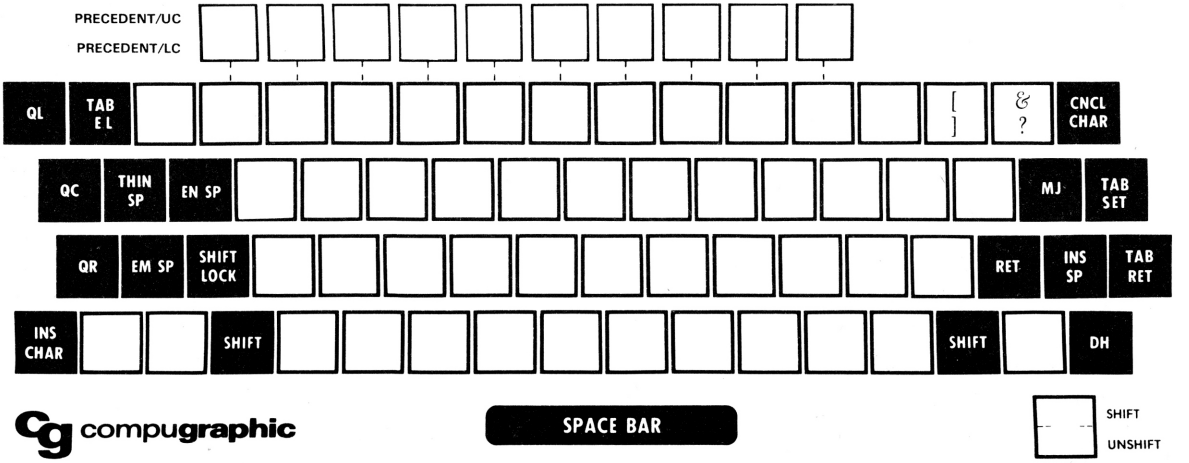
Swash & Alternate character complement 518

Aura

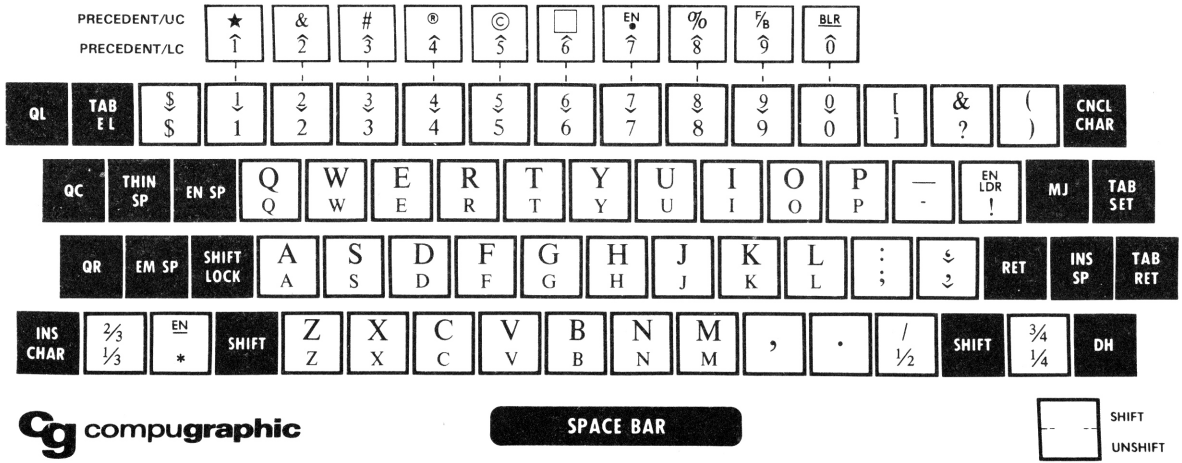


Copperplate complement 521

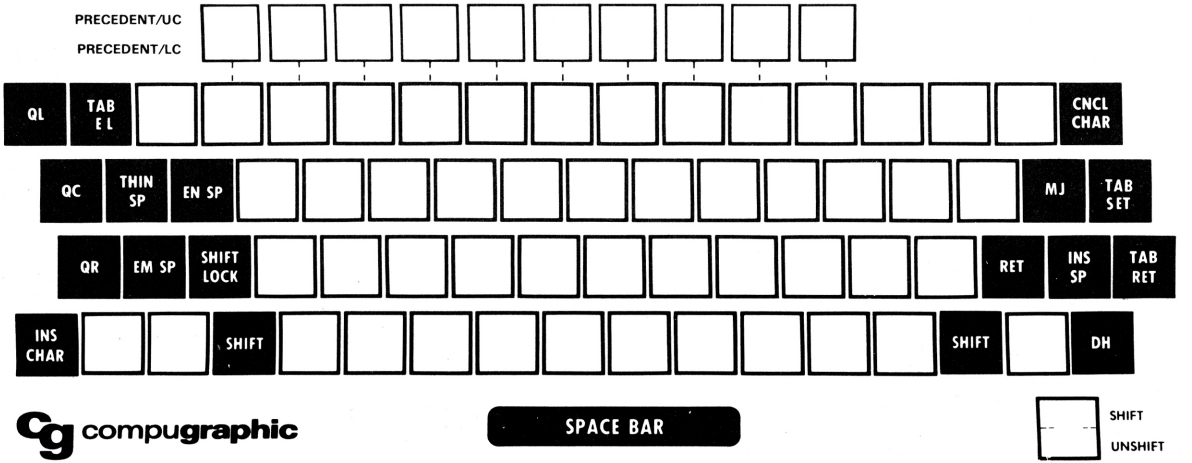



PRECEDENT/UC
PRECEDENT/LC
QL
TAB E L
[ ]
& ?
CNCL CHAR
QC
THIN SP
EN SP
MJ
TAB SET
QR
EM SP
SHIFT LOCK
RET
INS SP
TAB RET
INS CHAR
SHIFT
SHIFT
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT

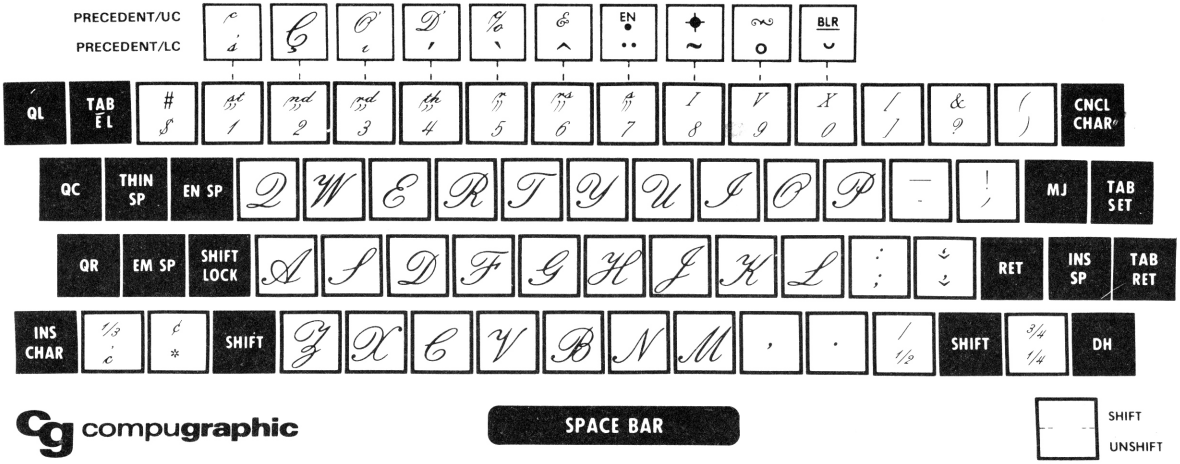
Small Cap complement 522



compugraphic

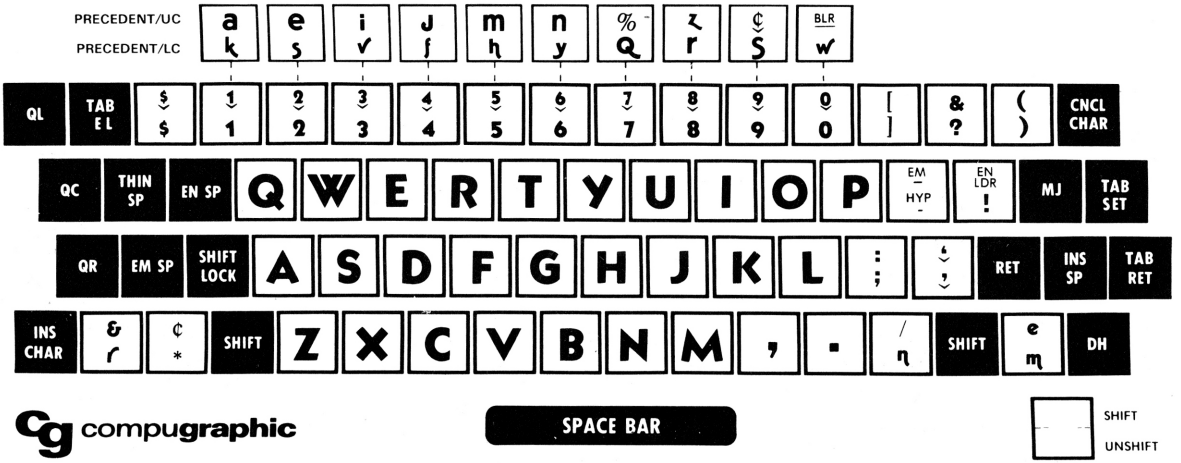

PRECEDENT/UC
PRECEDENT/LC
QL
TAB E L
CNCL CHAR
QC
THIN SP
EN SP
MJ
TAB SET
QR
EM SP
SHIFT LOCK
RET
INS SP
TAB RET
INS CHAR
SHIFT
SHIFT
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT

The opening upstroke (/) is used with pen scripts. All other faces will have an opening flourish (~) in that key position.



Swash & Alternate character complement 528

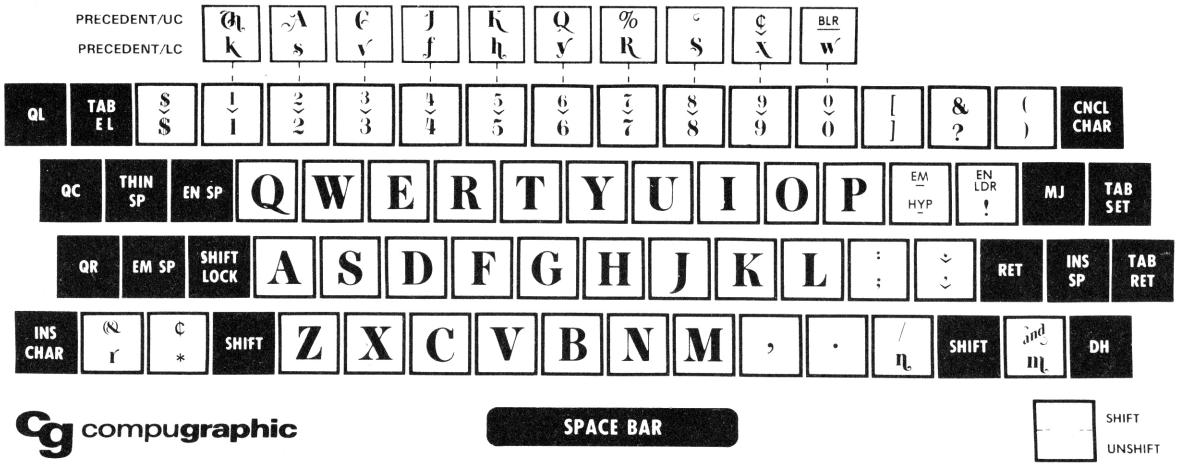
Grizzly



Swash & Alternate character complement 529

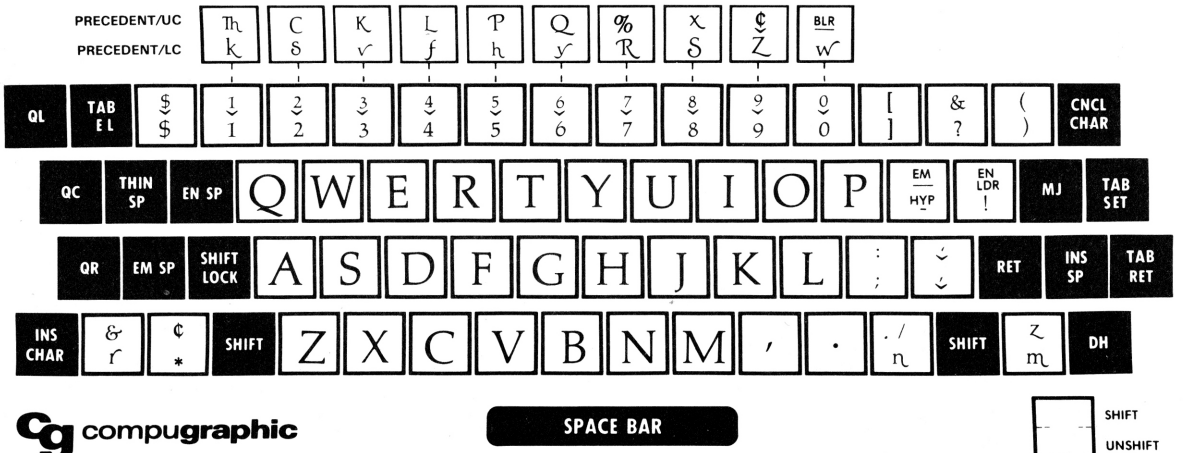
Tom's Roman

The piece swash ( ) is to be used with straight sided cap characters.



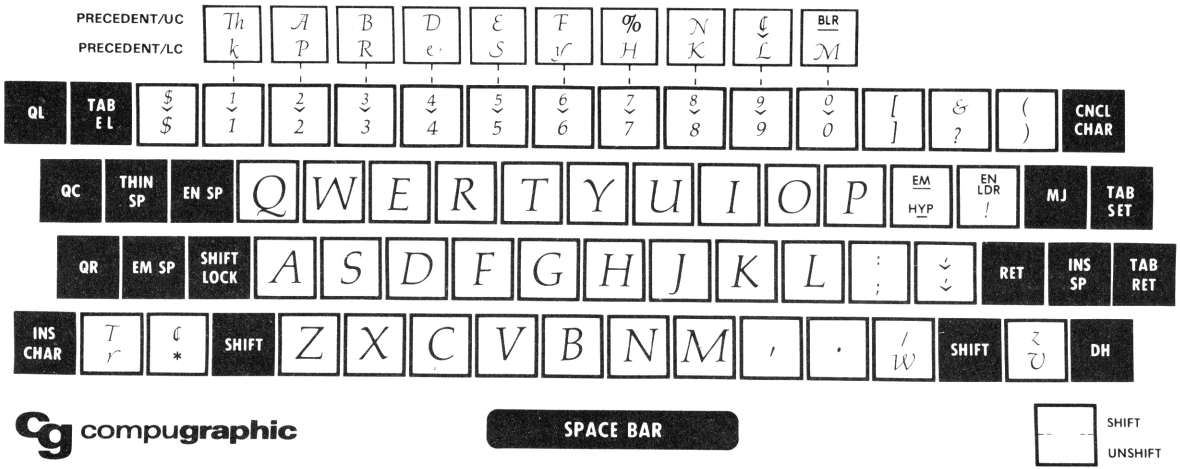
Swash & Alternate character complement 530

Paladium, Paladium Semibold



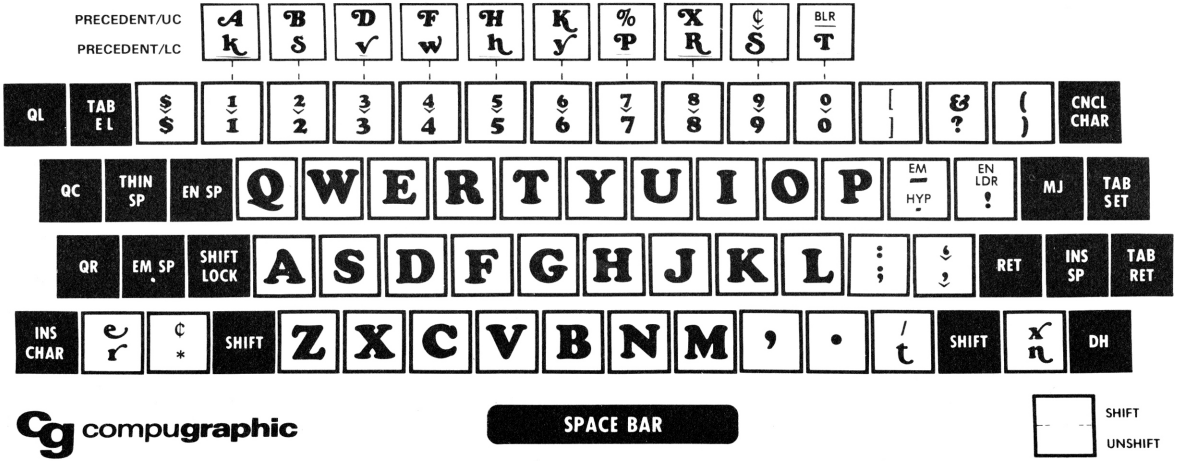
Swash & Alternate character complement 531

Paladium Italic



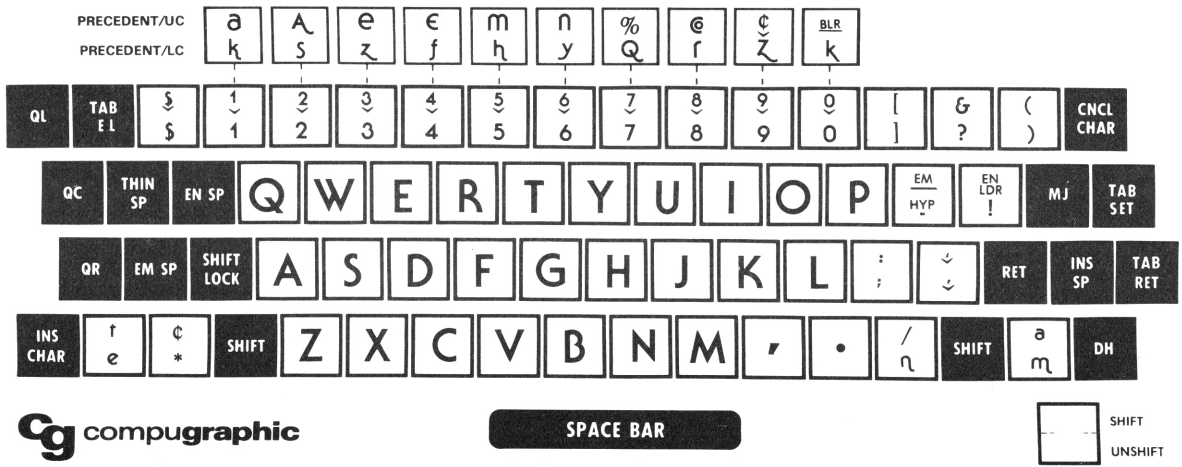
Swash & Alternate character complement 532

Cooper Black, Cooper Black Italic



Swash & Alternate character complement 533

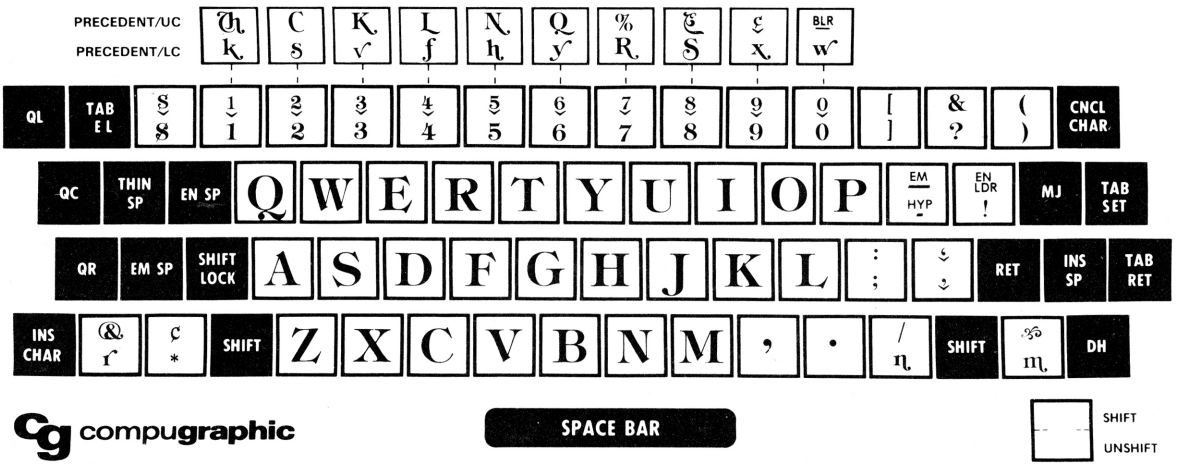
Serif Gothic Regular, Bold, Extrabold, Heavy, Outline



Swash and Alternate complement 534

Tiffany Light, Medium, Demi

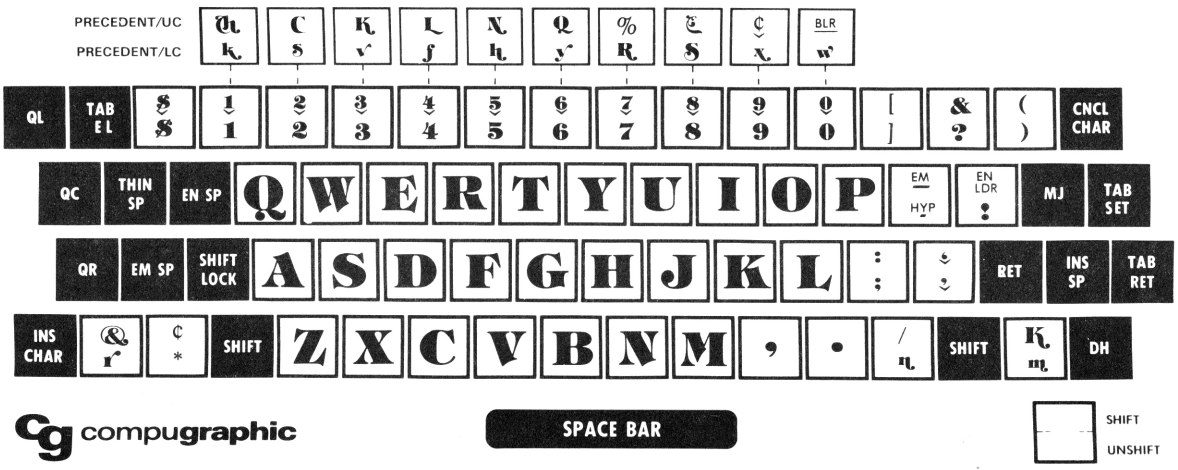
The piece swash ( ) is to be used with straight sided cap characters.



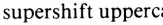
Swash & Alternate character complement 535

Tiffany Heavy

The piece swash (H) is to be used with straight sided cap characters.



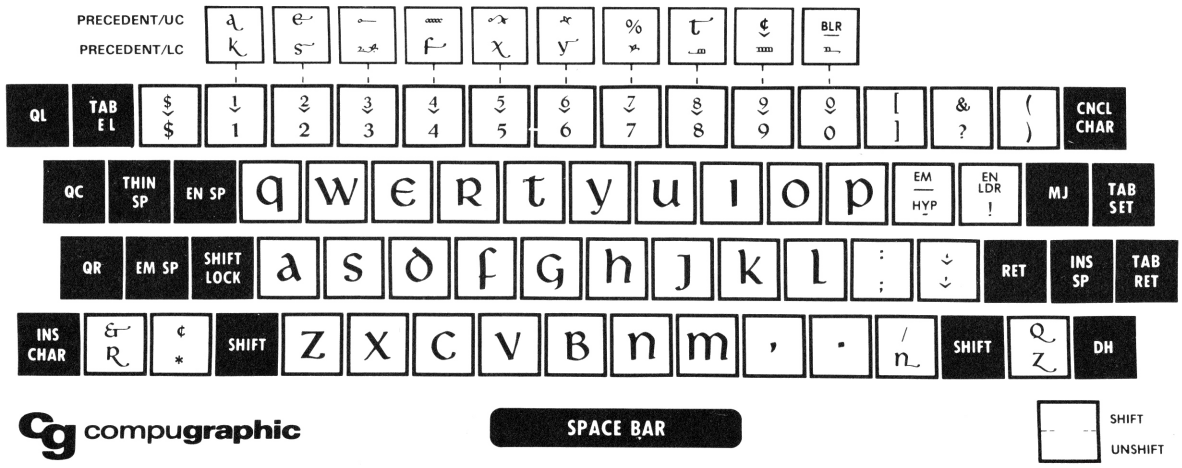
compugraphic

Characters in supershift uppercase key positions 3 (), 4 () and 5 () are common connecting elements. ()

Characters in supershift lowercase key positions 8 (), 9 () and 0 () are common connecting elements. ( )

Swash & Alternate character complement 536

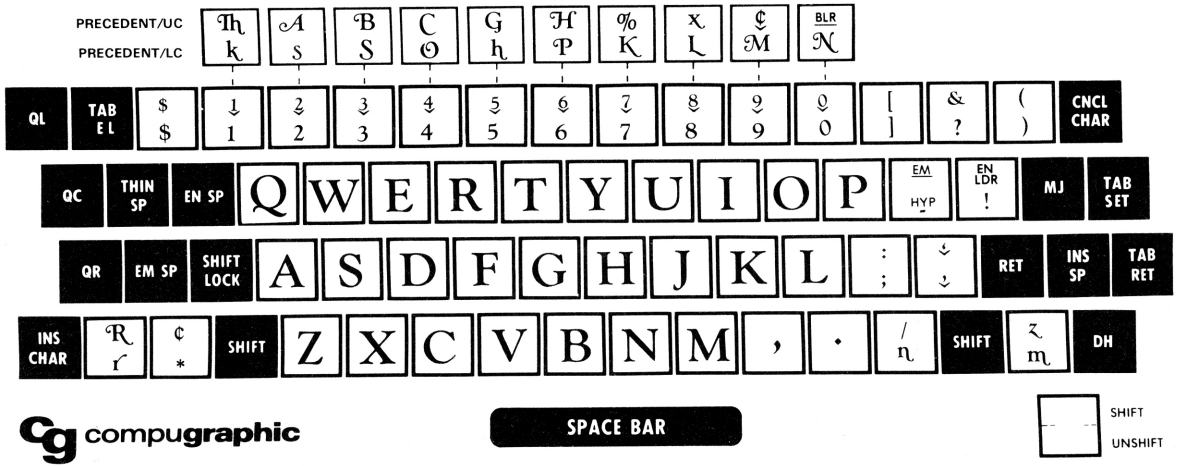
Libra



compugraphic

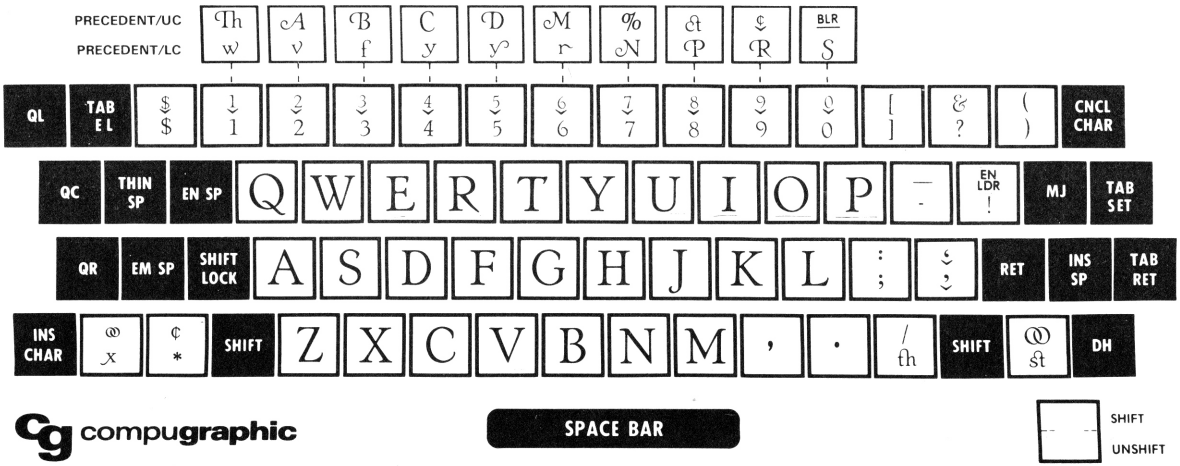
Swash & Alternate character complement 537

Goudy Bold, Bold Italic



Swash & Alternate character complement 538

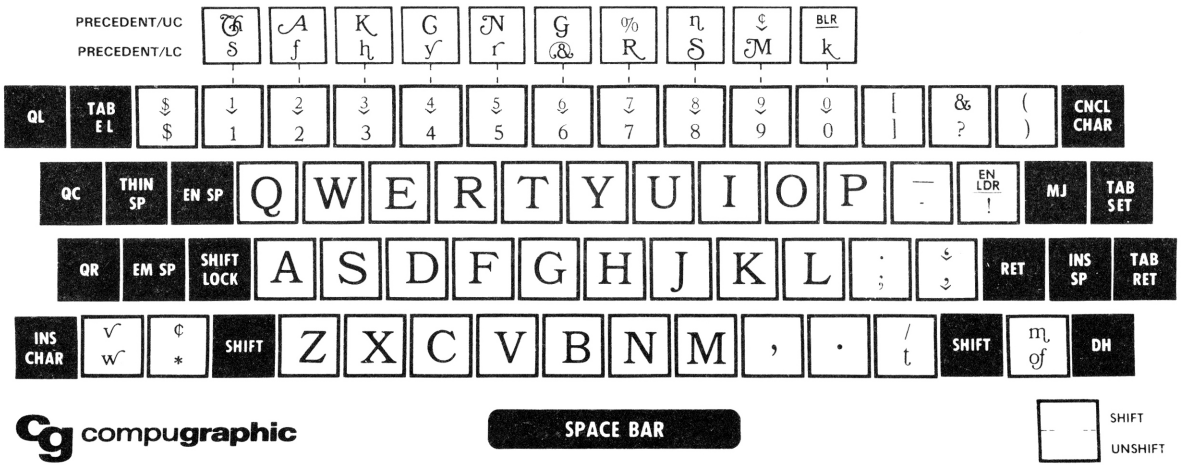
Artcraft Light, Light Italic, Bold



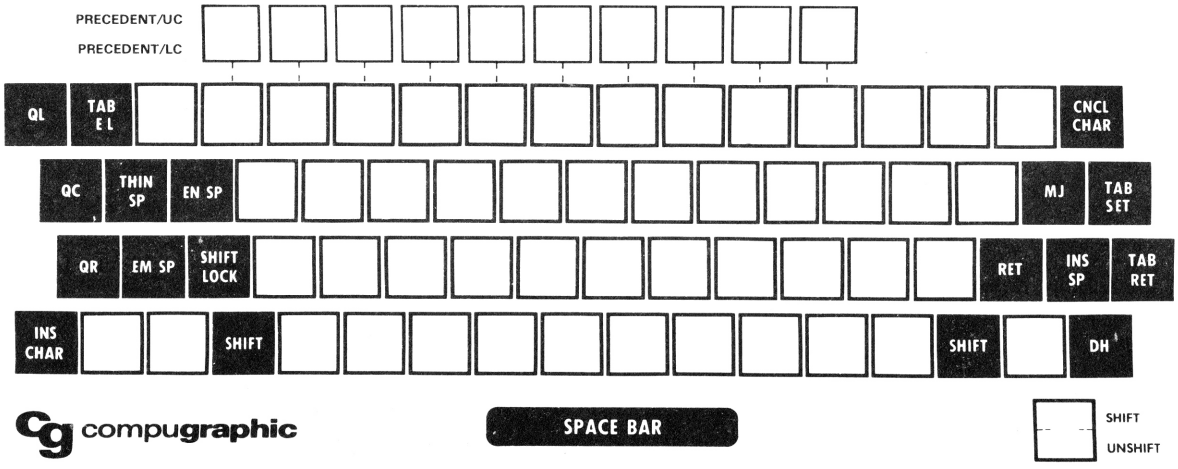
compugraphic

Swash & Alternate character complement 539

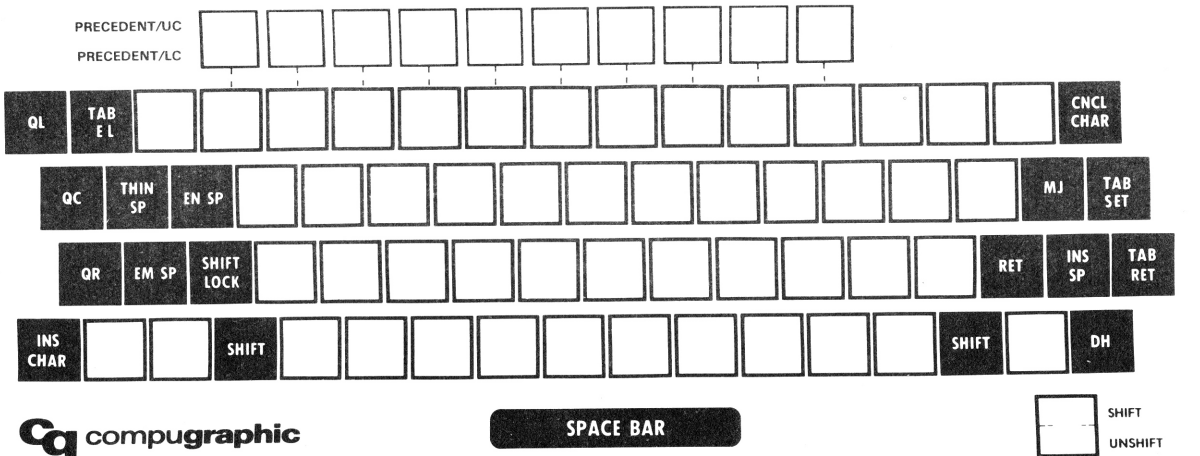
Bookman, Bookman Italic



compugraphic



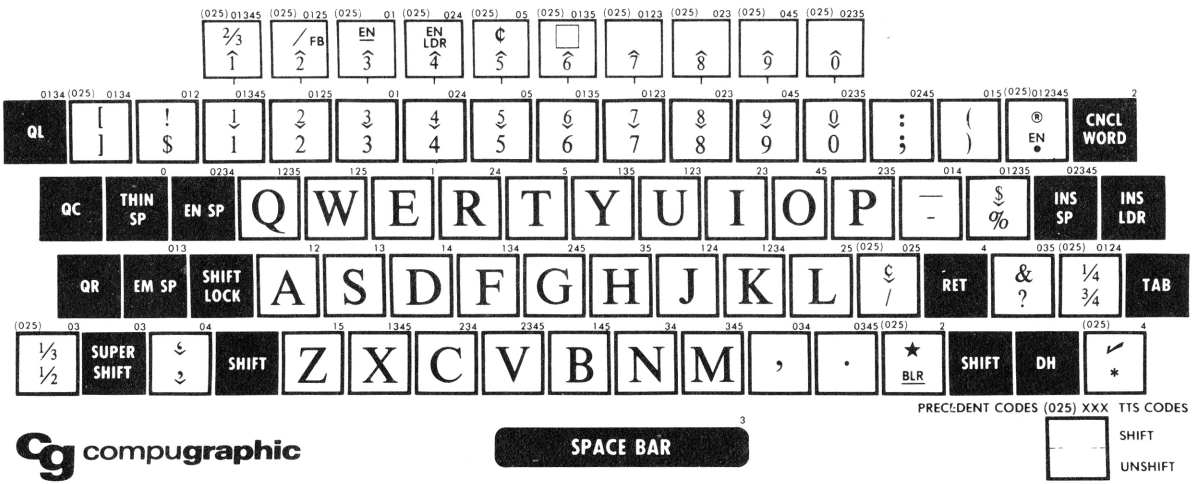
compugraphic


PRECEDENT/UC
PRECEDENT/LC
QL
TAB E L
CNCL CHAR
QC
THIN SP
EN SP
MJ
TAB SET
QR
EM SP
SHIFT LOCK
RET
INS SP
TAB RET
INS CHAR
SHIFT
SHIFT
DH
compugraphic
SPACE BAR
SHIFT
UNSHIFT

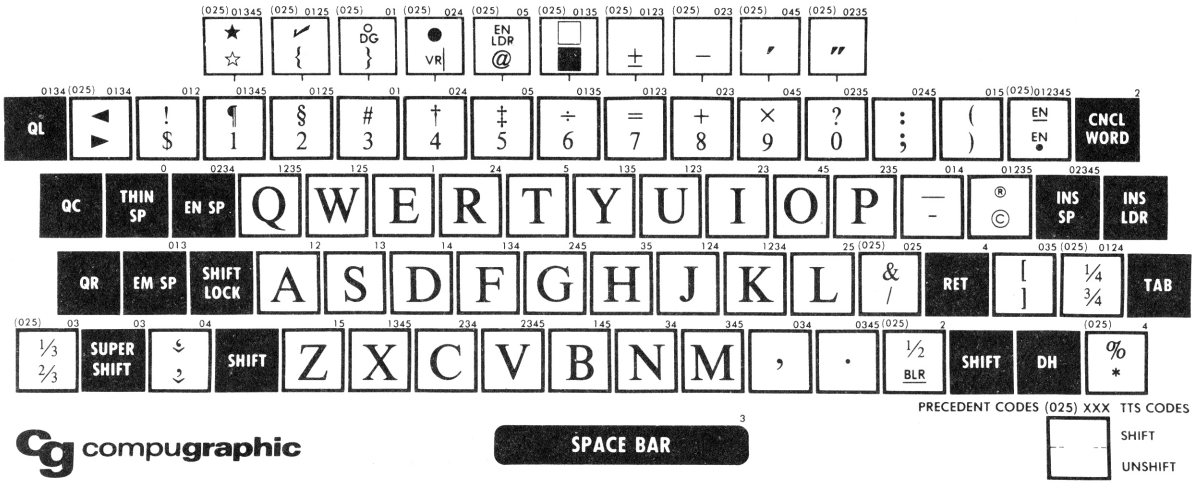
Ad complement 1000 132
Book & Commercial complement 1001 133
Multilingual complement 1002 134
Aura Swash & Alternate complement 1003 135
Greek & Math complement 1005. 136
Greek & Math complement 1006. 137
Greek & Math complement 1007. 138
Greek & Math complement 1008. 139
Blank keyboard 140
Copperplate complement 1009 141
Newspaper Wire Service complement 1011 142
Canadian Newspaper Wire Service comp. 1012 . 143
Small Cap complement 1013. 144
Avant Garde Gothic display complement 1014 . . 145
Blank keyboard 146
Initial & Ornament complement 1015 147
Reverse complement 1016. 149
Blank keyboard 150
Thermography complement 1017 151
MICR complement 1018 (10 pt. lens) 153
Holiday Symbols complement 1019 (Unshift). . . 154
Shift 155
Horse Racing Form complement 1020 156
Horse Racing Form complement 1021 157
Russian/Bulgarian complement 1022 158
Ukrainian complement 1023. 159
Grizzly Swash & Alternate comp. 1024 160
Tom's Roman Swash & Alternate comp. 1025 . . 161
Paladium, Paladium Semibold
Swash & Alternate complement 1026 162
Paladium Italic Swash & Alternate comp. 1027. . 163

Cooper Black, Cooper Black Italic
Swash & Alternate complement 1028 164
Serif Gothic Regular, Bold, Exbld., Hvy., Outline
Swash & Alternate complement 1029 165
Tiffany Light, Medium, Demi
Swash & Alternate complement 1030 166
Tiffany Heavy Swash & Alternate comp. 1031 . . 167
Libra Swash & Alternate complement 1032 169
Goudy Bold, Bold Italic
Swash & Alternate complement 1033 170
Artcraft Light, Light Italic
Swash & Alternate complement 1034 171
Bookman, Bookman Italic
Swash & Alternate complement 1035 172
Blank keyboard 173
Blank keyboard 174

Ad complement 1000

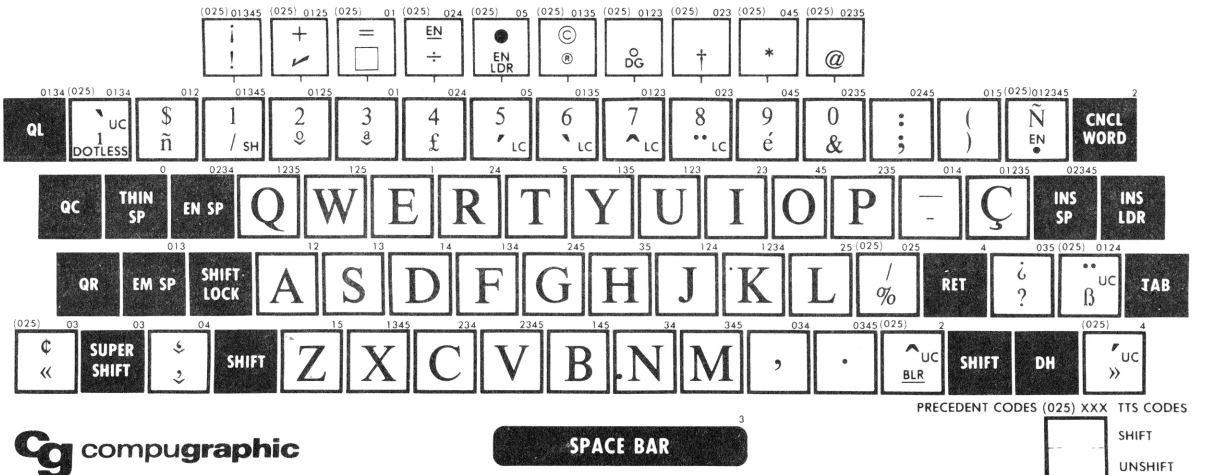


Book & Commercial complement 1001



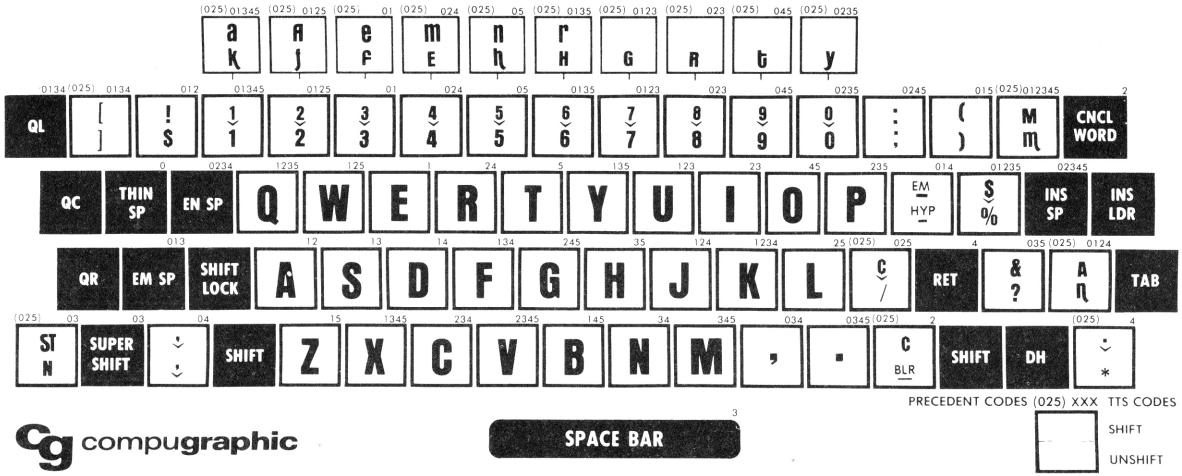
compugraphic

Multilingual complement 1002



Swash & Alternate character complement 1003

Aura



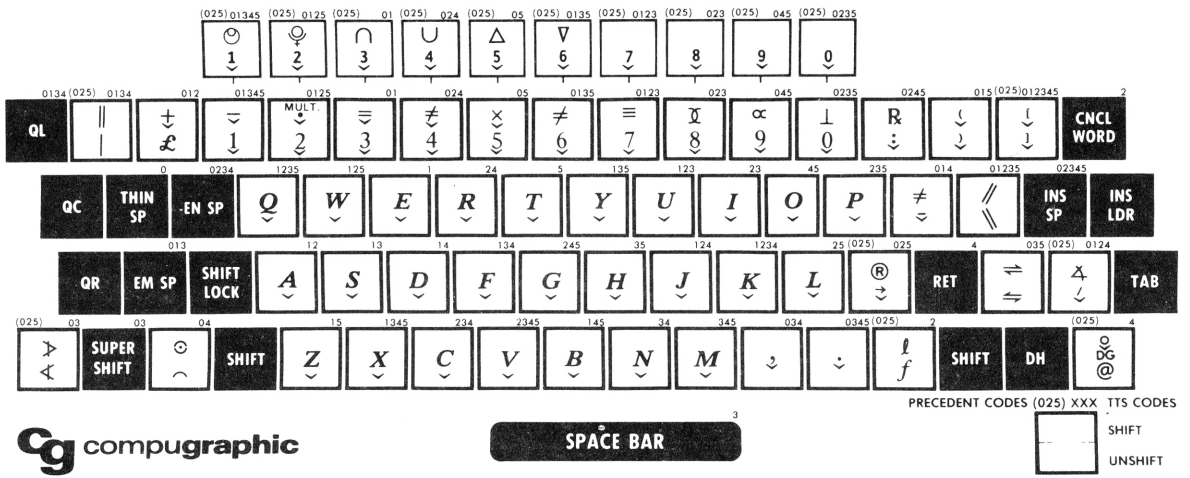
compugraphic

Greek & Math complement 1005

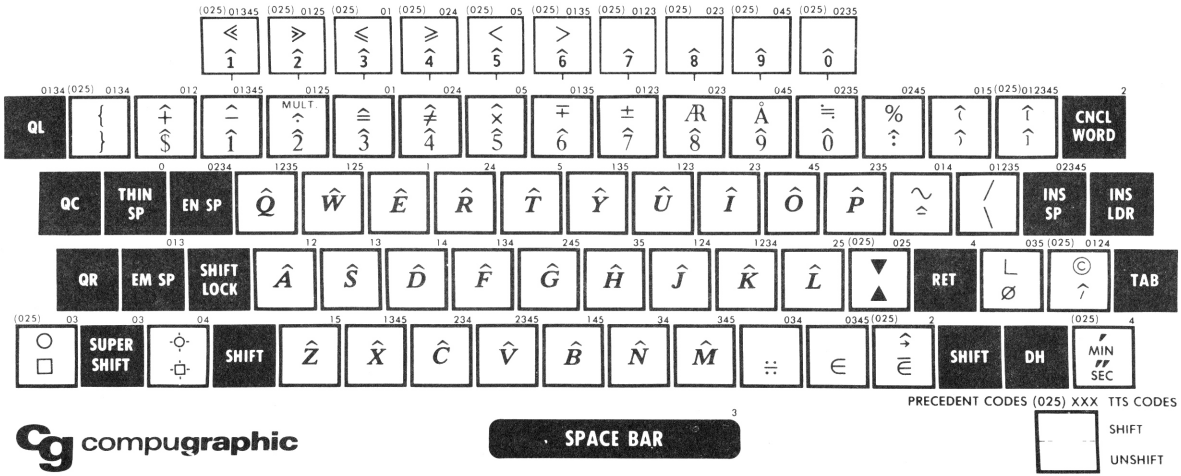
Greek & Math complement 1006

compugraphic

Greek & Math complement 1007



Greek & Math complement 1008



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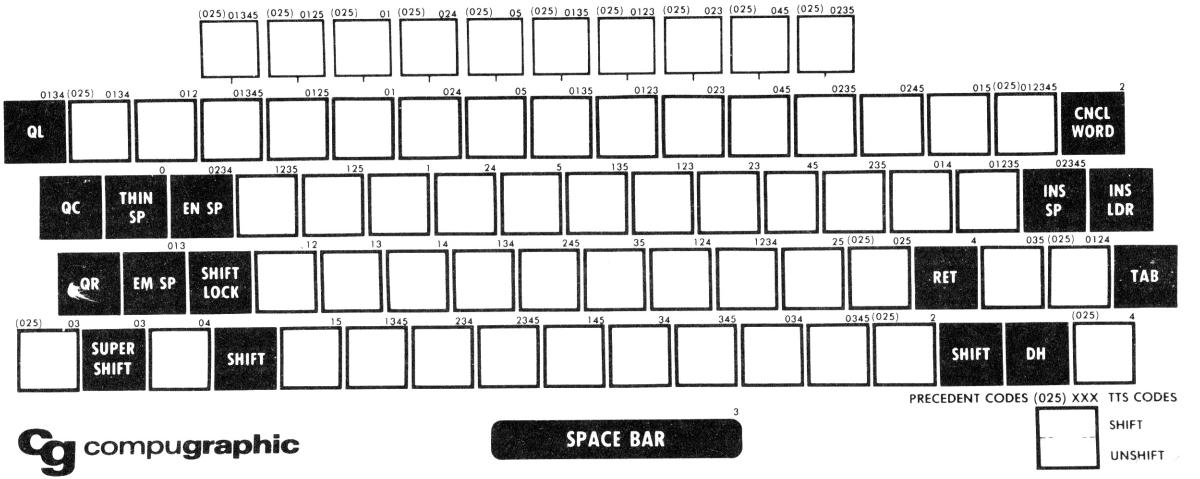
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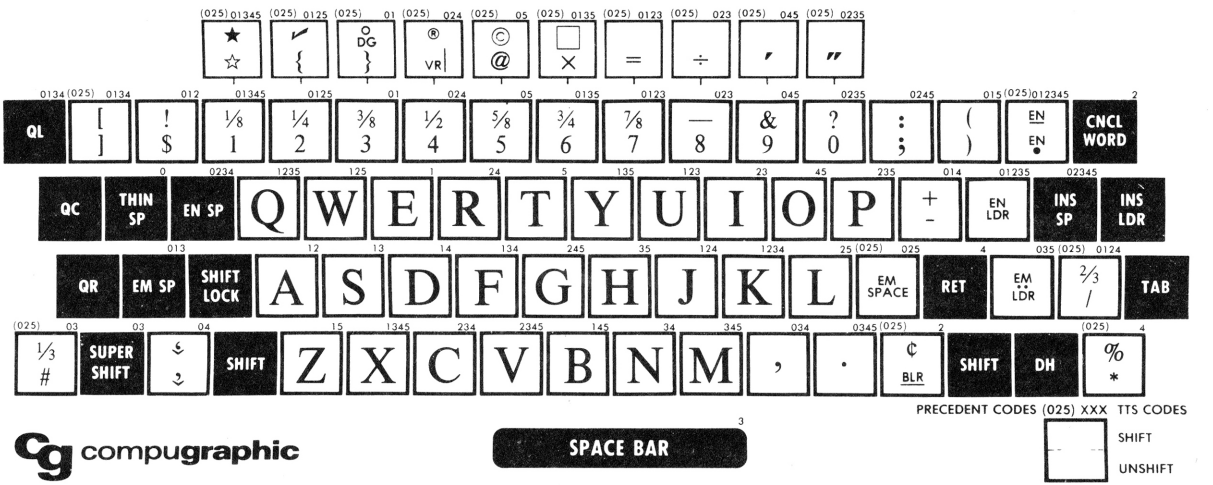
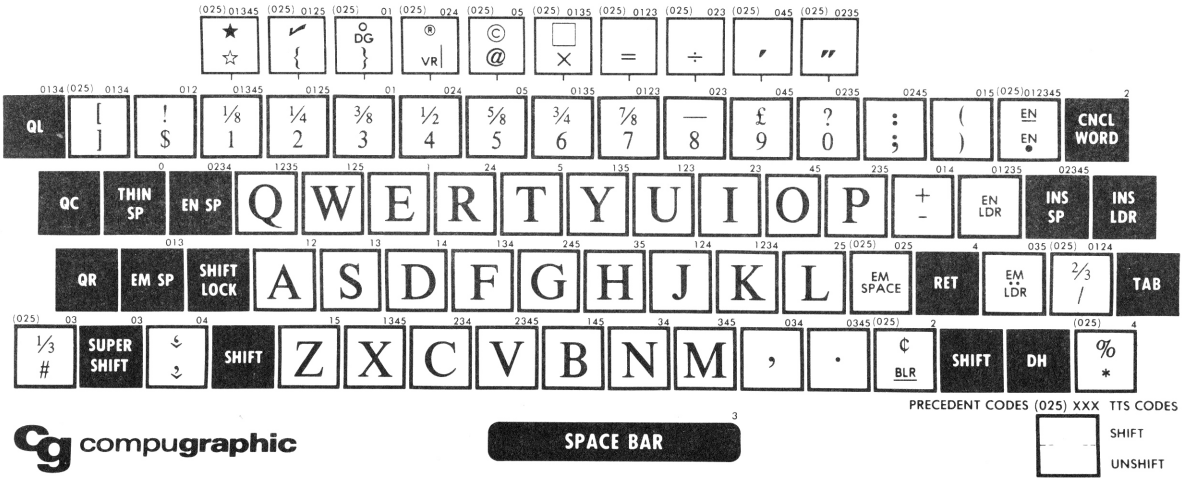
(025) 0235
0134
(025) 0134
012
01345
0125
01
024
05
0135
0123
023
045
0235
0245
015
(025) 012345
2
QL
CNCL WORD
0
0234
1235
125
1
24
5
135
123
23
45
235
014
01235
02345
QC
THIN SP
EN SP
INS SP
INS LDR
013
12
13
14
134
245
35
124
1234
25
(025)
025
4
035
(025)
0124
QR
EM SP
SHIFT LOCK
RET
TAB
(025)
03
03
04
15
1345
234
2345
145
34
345
034
0345
(025)
2
(025)
4
SUPER SHIFT
SHIFT
SHIFT
DH
PRECEDENT CODES (025) XXX TTS CODES
SHIFT
UNSHIFT
3
SPACE BAR
compugraphic

compugraphic

Newspaper Wire Service complement 1011

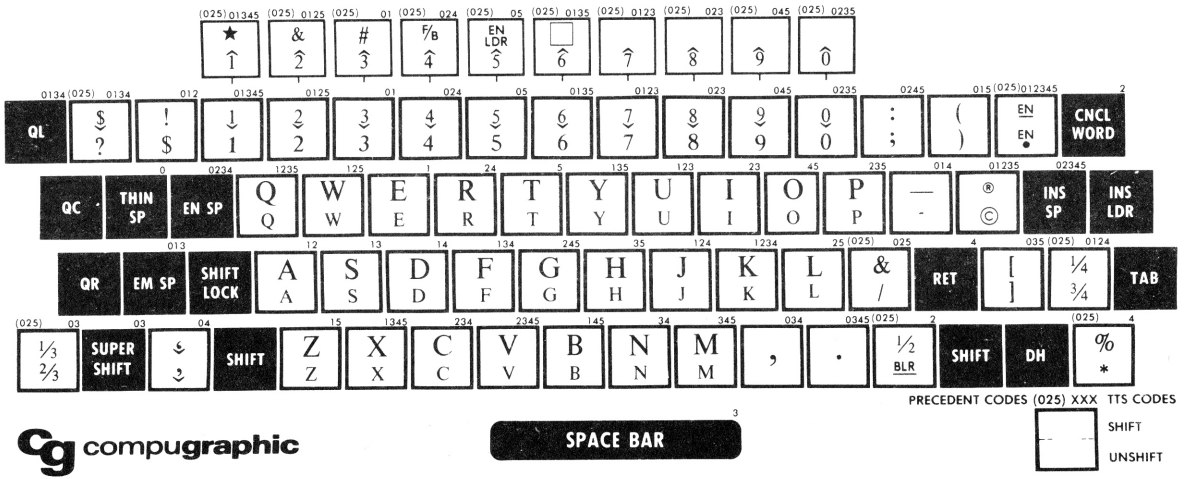


Canadian Newspaper Wire Service complement 1012

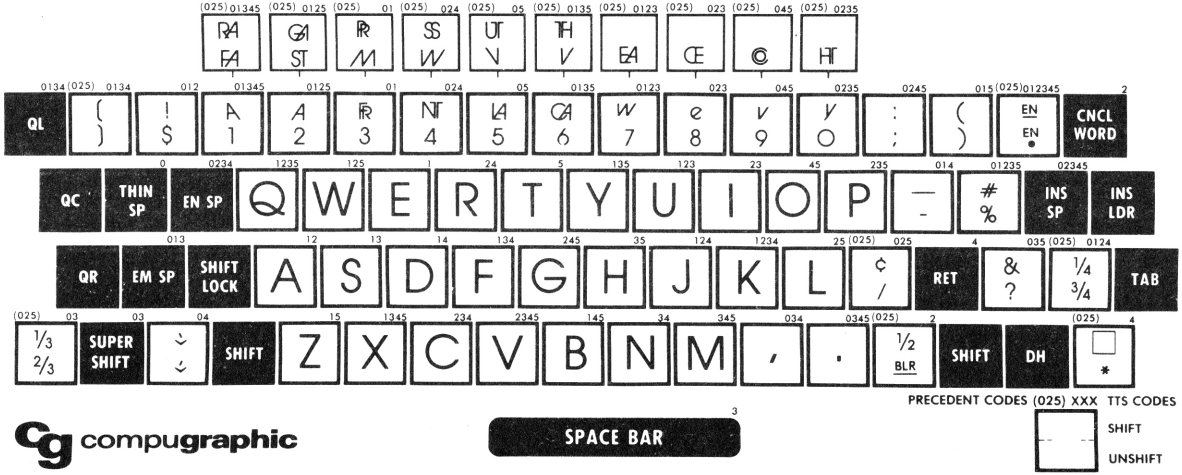


compugraphic

Small Cap complement 1013



Avant Garde Gothic display complement 1014



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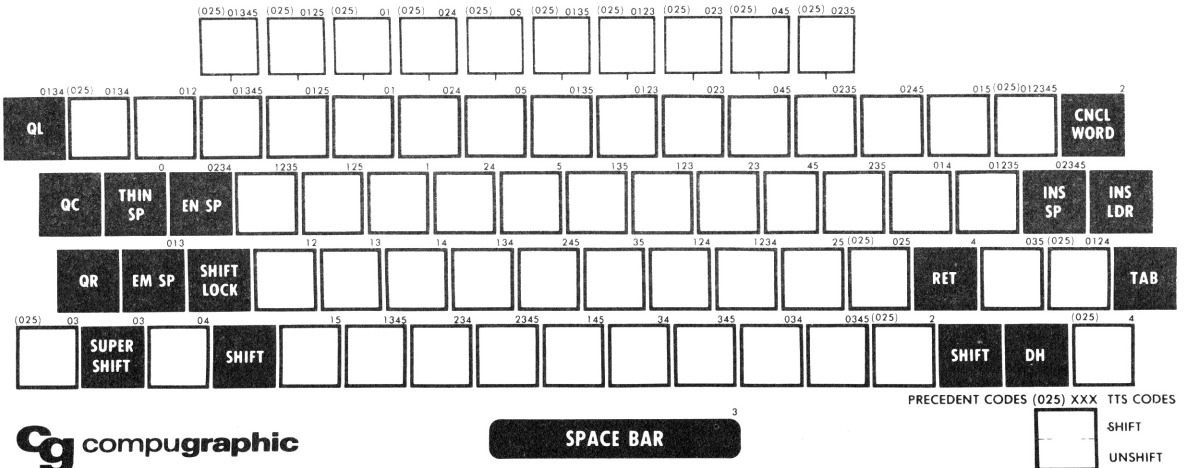
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(025) 05
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(025) 023
(025) 045
(025) 0235
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(025) 0134
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0123
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045
0235
0245
015
(025) 012345
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CNCL WORD
QC
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THIN SP
0234
EN SP
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01235
02345
INS SP
INS LDR
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EM SP
SHIFT LOCK
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245
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1234
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(025)
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4
RET
035
(025)
0124
TAB
(025)
03
03
SUPER SHIFT
04
SHIFT
15
1345
234
2345
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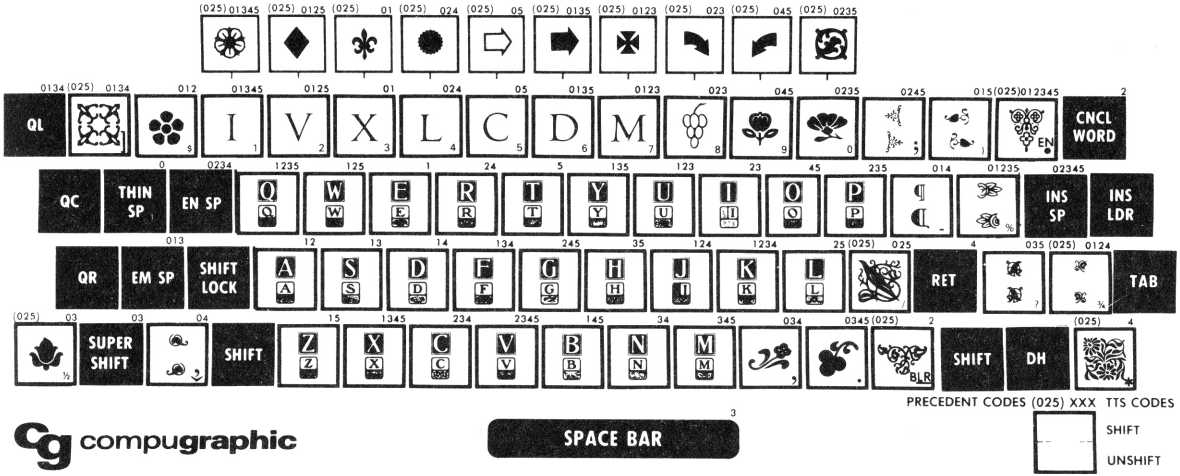
034
0345
(025)
2
SHIFT
DH
(025)
4
PRECEDENT CODES (025) XXX TTS CODES
SHIFT
UNSHIFT
3
SPACE BAR
compugraphic

Initial & Ornament complement 1015



compugraphic

This layout applies to reverse typefaces only.

The "beginning" and "ending" wedges for italic reverse typefaces are always assigned a zero width value.

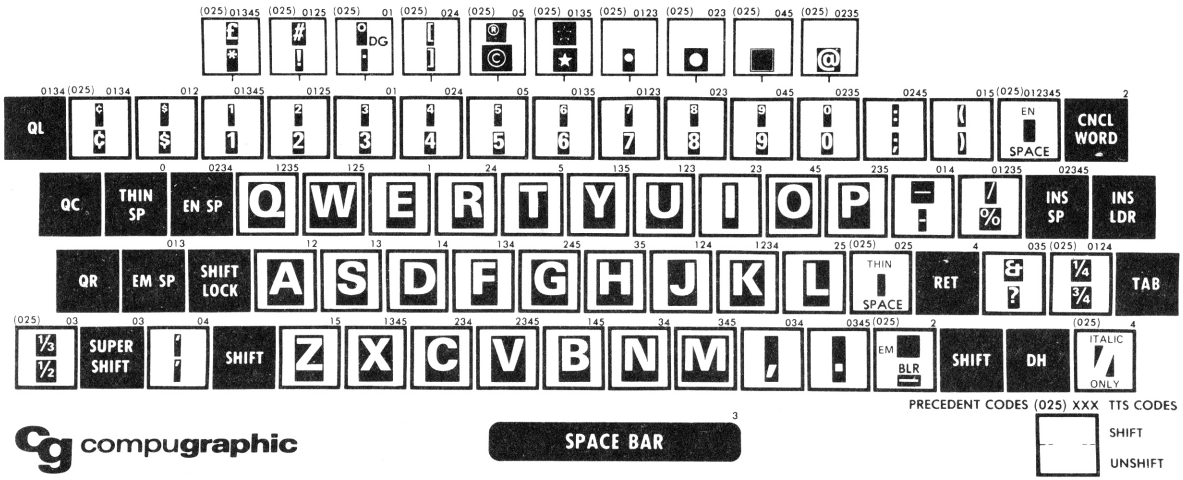
Letterspacing, justification, kerning or character compensation is not recommended.

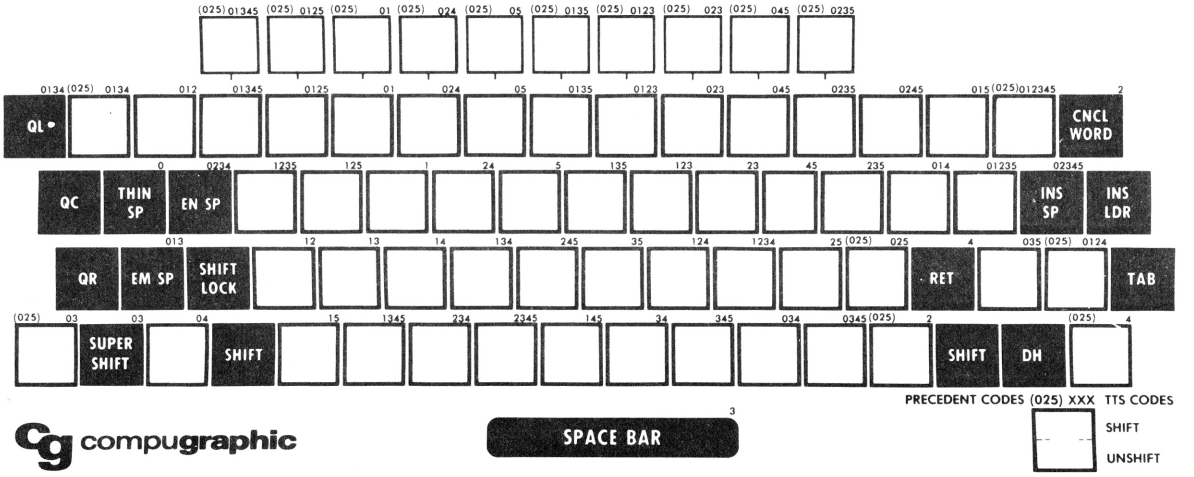
The space bar (word space), regular thin, en and em space will produce white spaces.

The leading (line space) setting should be ½ point smaller than the specified point size.

Fixed spaces—refer to notes above and keytops to the right.

1—Reverse thin space
2—Reverse en space
3—Reverse em space
4—Reverse beginning wedge, italic typefaces only
5—Reverse ending wedge, italic typefaces only

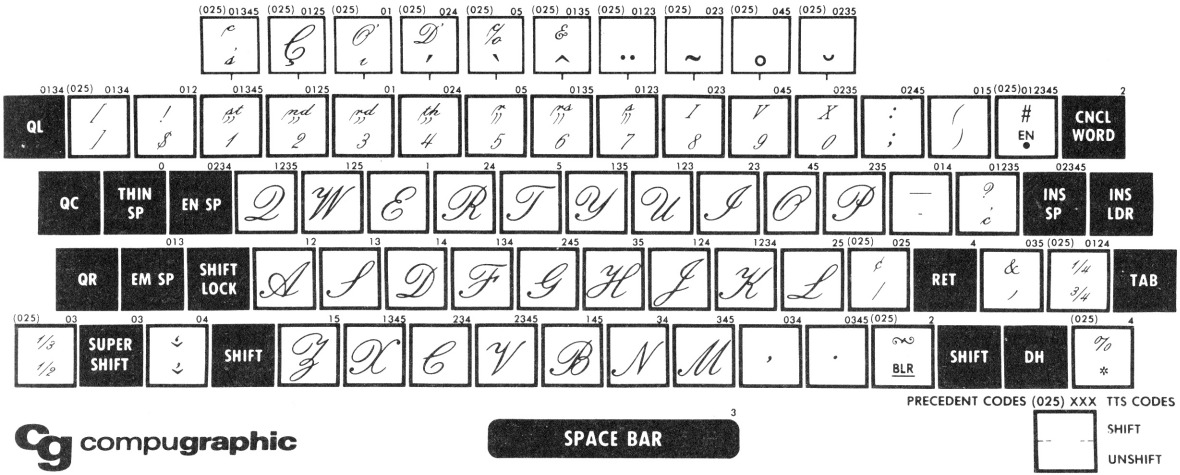

QL
QC
THIN SP
EN SP
QR
EM SP
SHIFT LOCK
SUPER SHIFT
SHIFT
EN SPACE
CNCL WORD
INS SP
INS LDR
THIN SPACE
RET
TAB
EM BLR
SHIFT
DH
ITALIC ONLY
SPACE BAR
PRECEDENT CODES (025) XXX TTS CODES
SHIFT
UNSHIFT
compugraphic



compugraphic

Thermography complement 1017

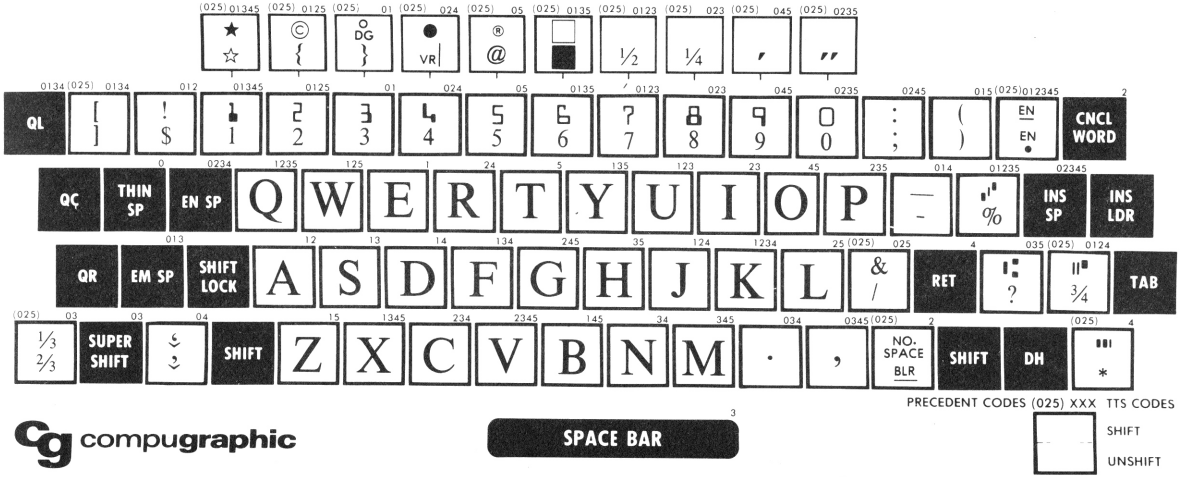
The opening upstroke (/) is used with pen scripts. All other faces will have an opening flourish (~) in that key position.



MICR characters must be exposed through the 10 pt. lens.
The number space (shift, key 025/2) is to be used in place of the regular thin, en or em spaces.
Character compensation must be set at 1-⅓ points (SS/SC011/SS).
Letterspacing, kerning or justification is not recommended.

MICR complement 1018

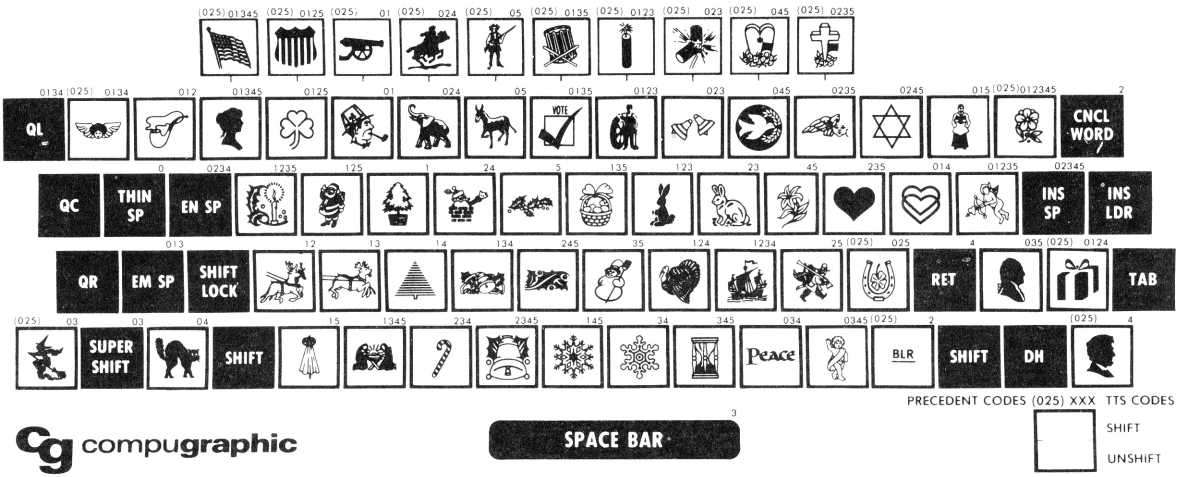
With standard typeface, 10pt. lens



compugraphic

Holiday Symbols complement 1019

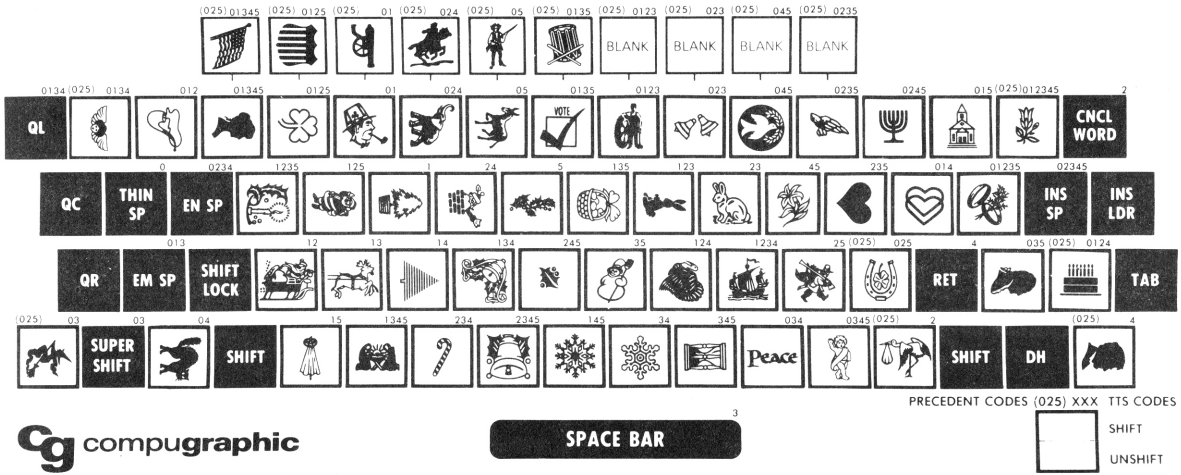
Unshift



compugraphic

Holiday Symbols complement 1019

Shift



PRECEDENT CODES (025) XXX TTS CODES

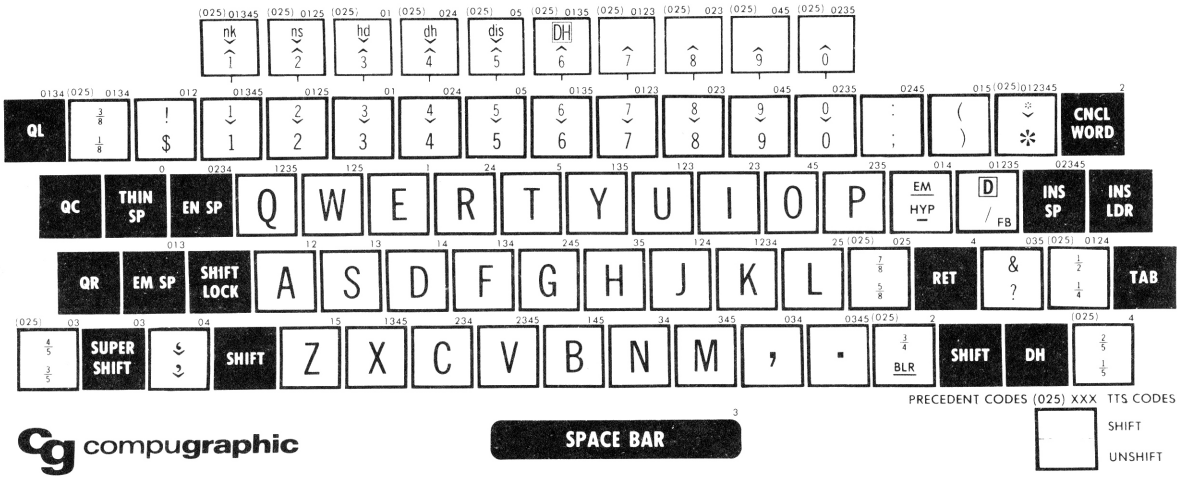
SHIFT

UNSHIFT

compugraphic

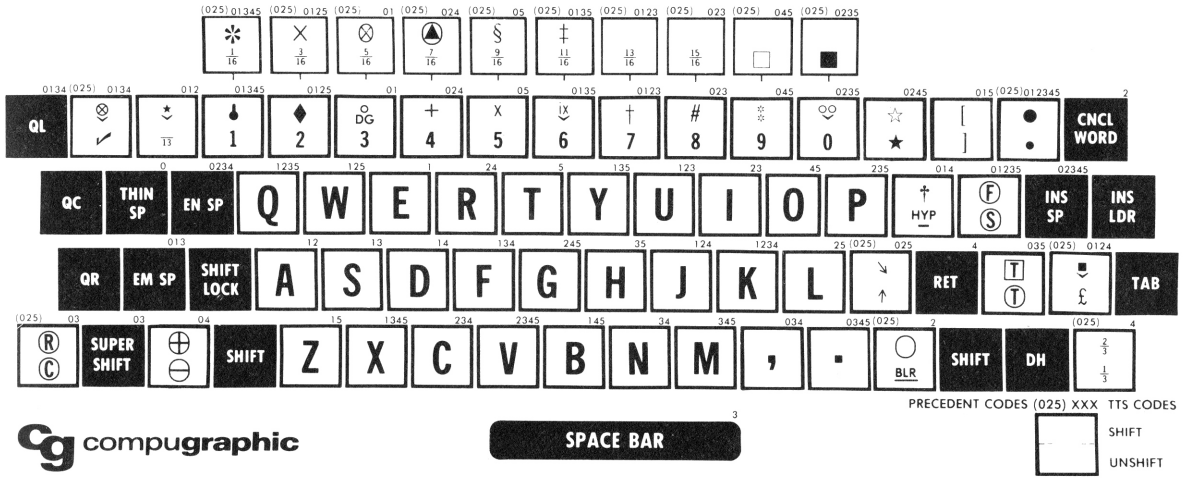
Horse Racing Form complement 1020

News Gothic Condensed Typeface only.



Horse Racing Form complement 1021

News Gothic Bold Condensed Typeface only.



compugraphic

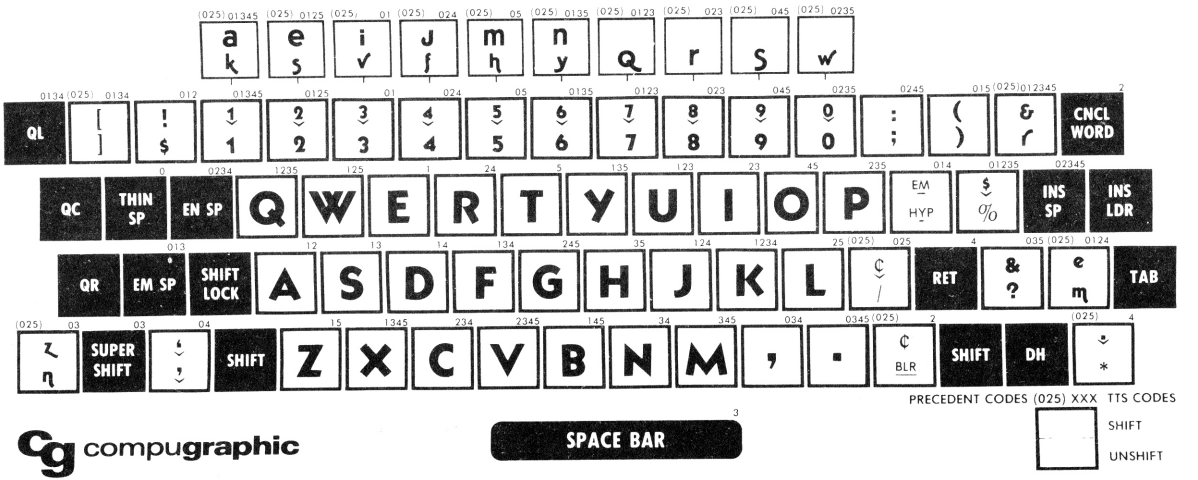
Russian/Bulgarian complement 1022

Ukrainian complement 1023

compugraphic

Swash & Alternate character complement 1024

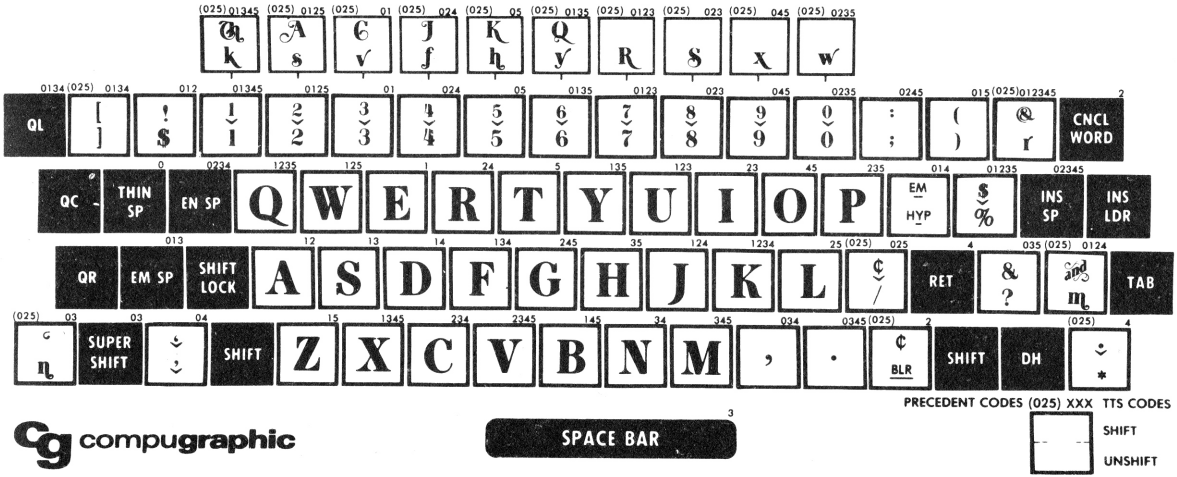
Grizzly



Swash & Alternate character complement 1025

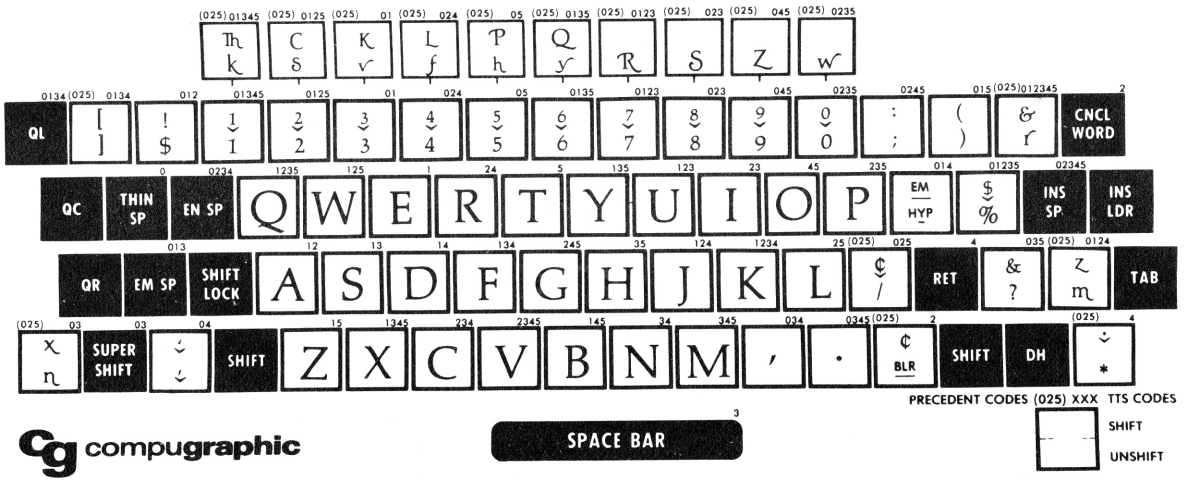
Tom's Roman

The piece swash (H) is to be used with straight sided cap characters.



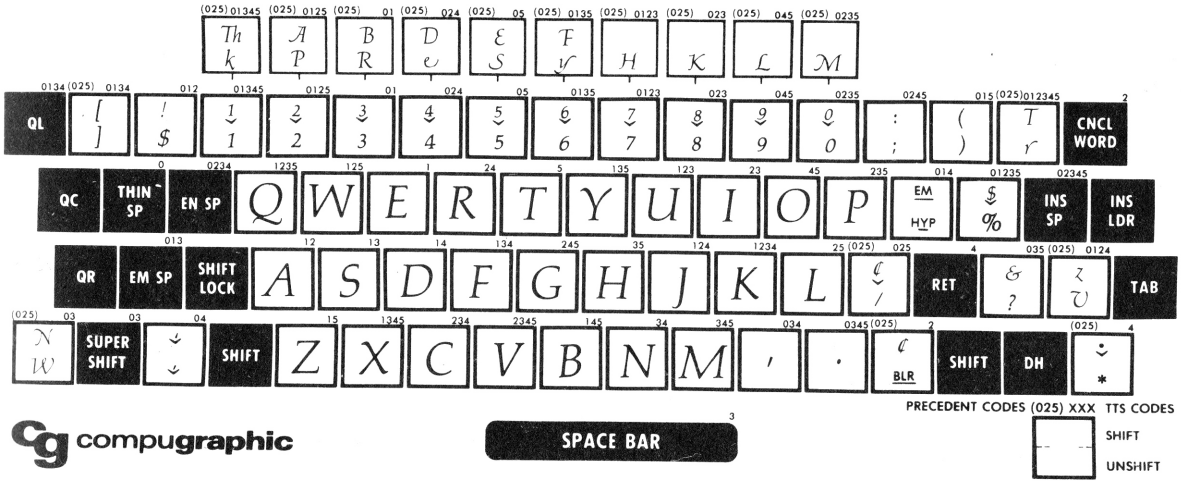
Swash & Alternate character complement 1026

Paladium, Paladium Semibold



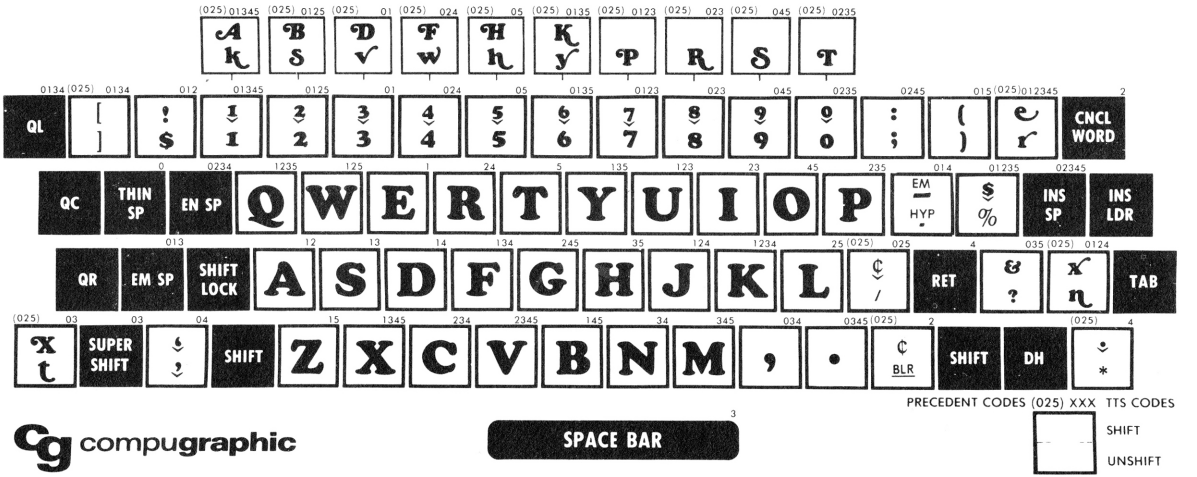
Swash & Alternate character complement 1027

Paladium Italic



Swash & Alternate character complement 1028

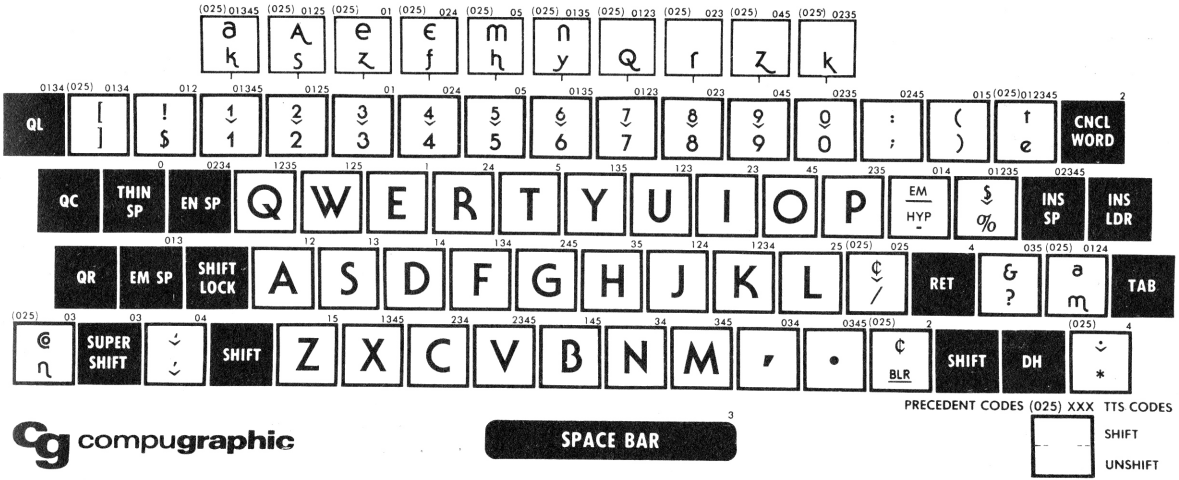
Cooper Black, Cooper Black Italic



compugraphic

Swash & Alternate character complement 1029

Serif Gothic Regular, Bold, Extrabold, Heavy, Outline

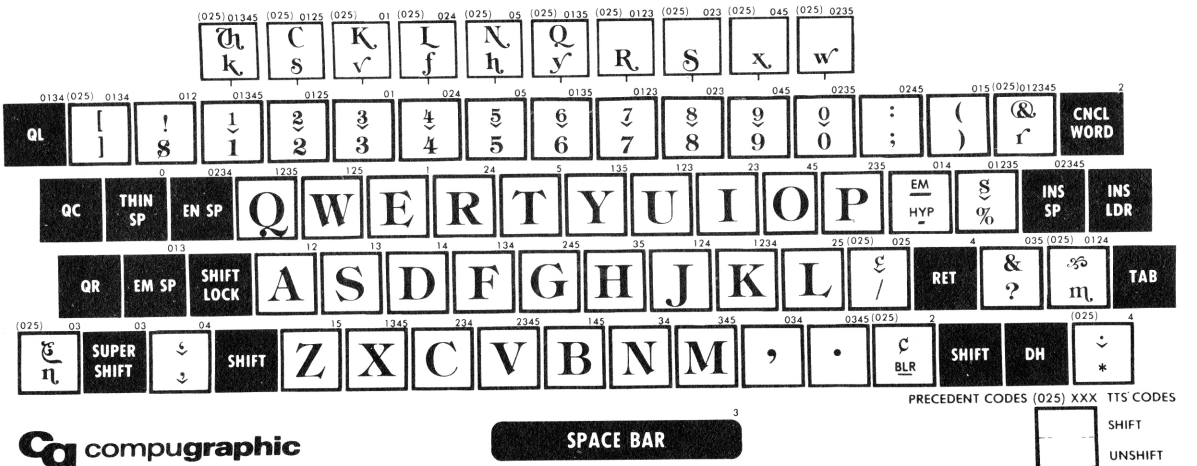


compugraphic

Swash & Alternate character complement 1030

Tiffany Light, Medium, Demi

The piece swash ( ) is to be used with straight sided cap characters.

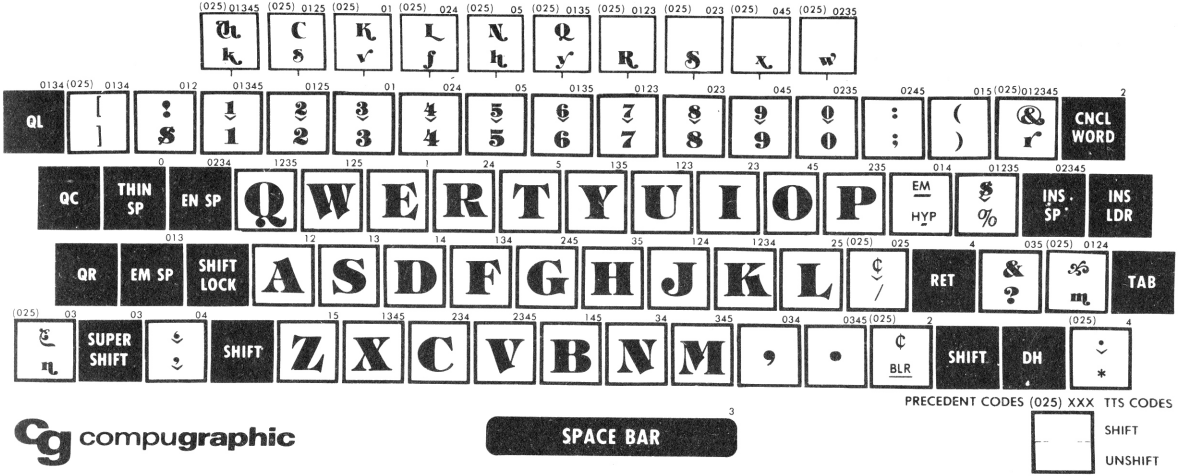


compugraphic

Swash & Alternate character complement 1031

Tiffany Heavy

The piece swash ( ) is to be used with straight sided cap characters.



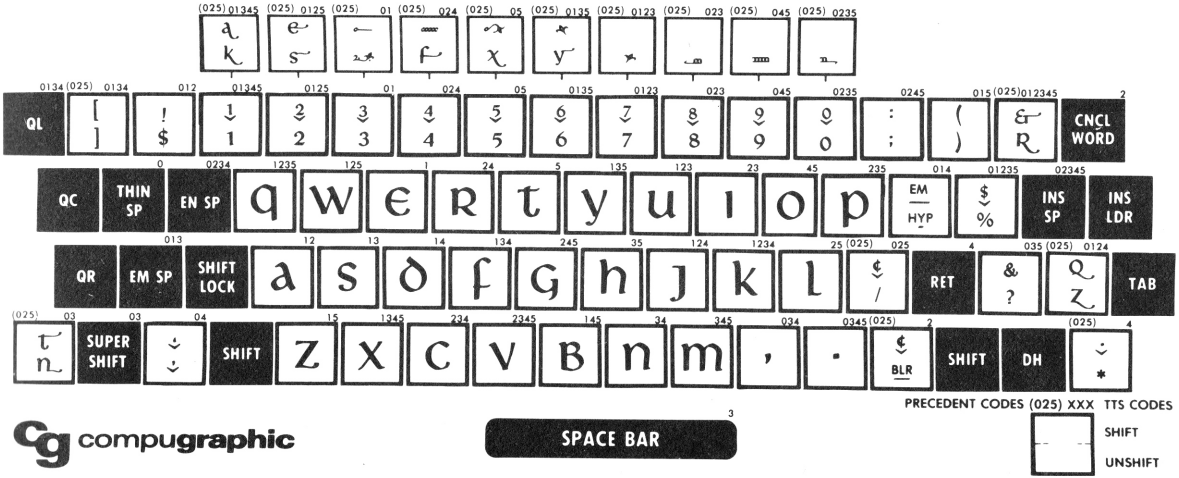
compugraphic

Characters in em precedent shift positions 025/01 (), 025/024 () and 025/05 () are common connecting elements. ( )

Characters in em precedent unshift positions 025/023 (), 025/045 () and 025/0235 () are common connecting elements. ()

Swash & Alternate character complement 1032

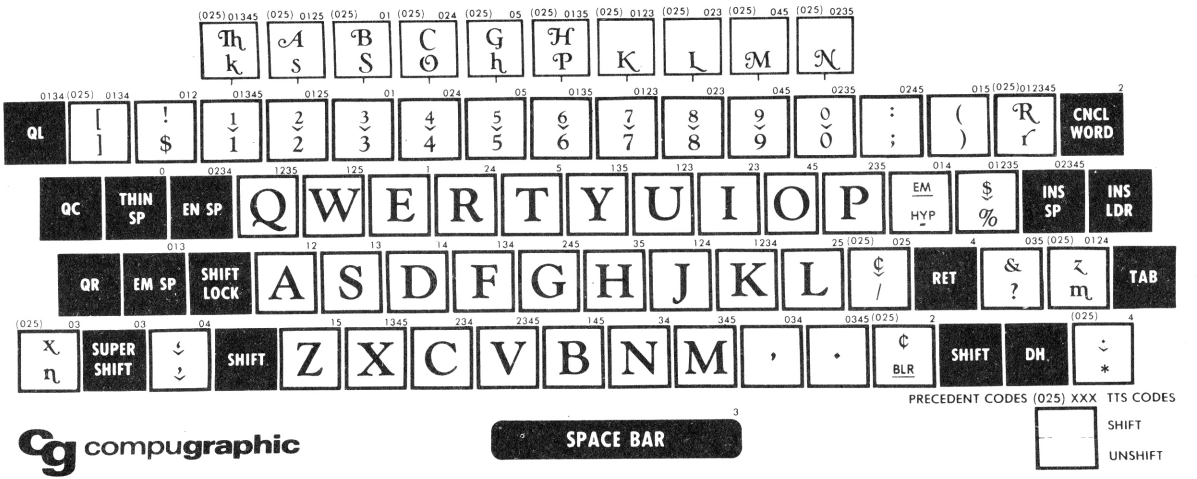
Libra



compugraphic

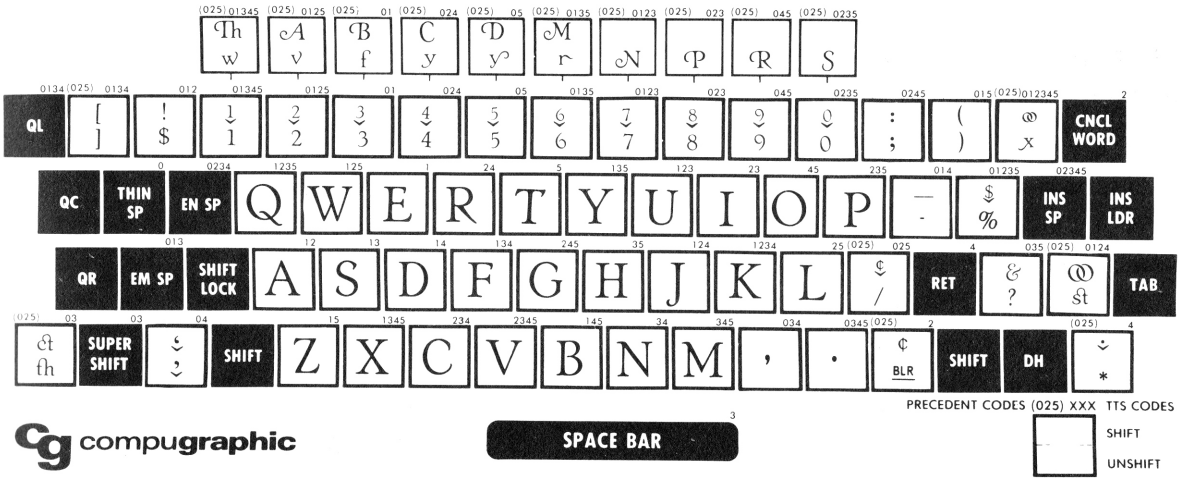
Swash & Alternate character complement 1033

Goudy Bold, Bold Italic



Swash & Alternate character complement 1034

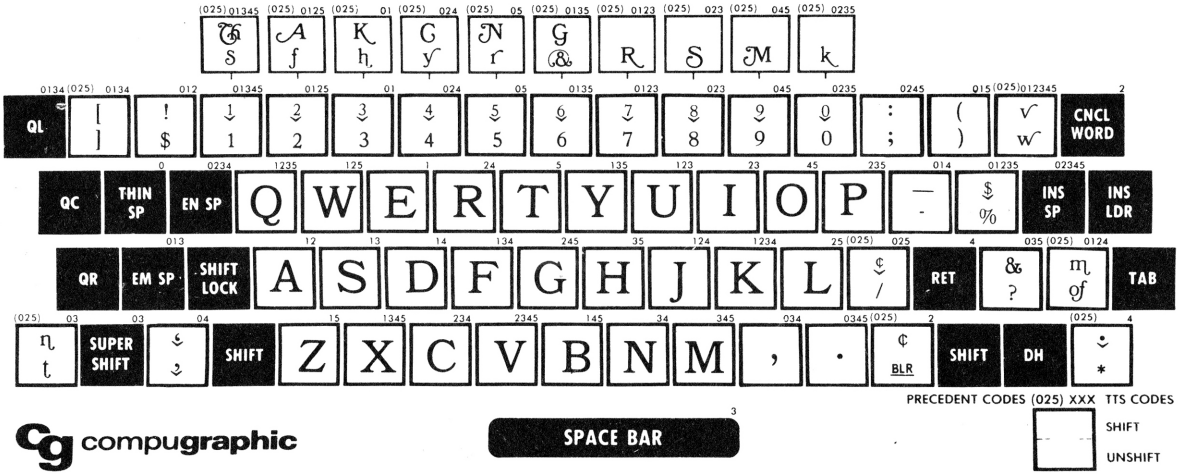
Artcraft Light, Light Italic, Bold

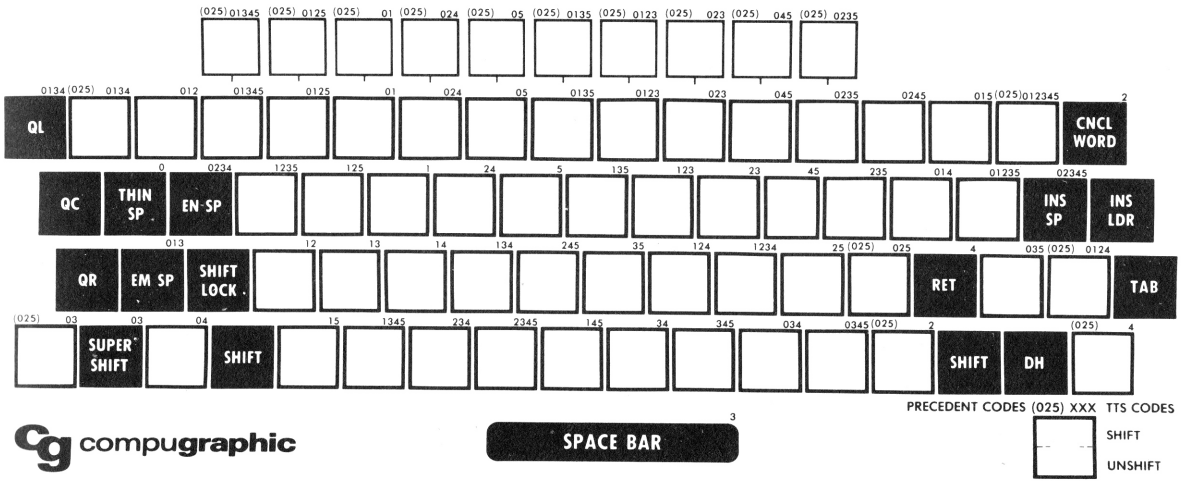


compugraphic

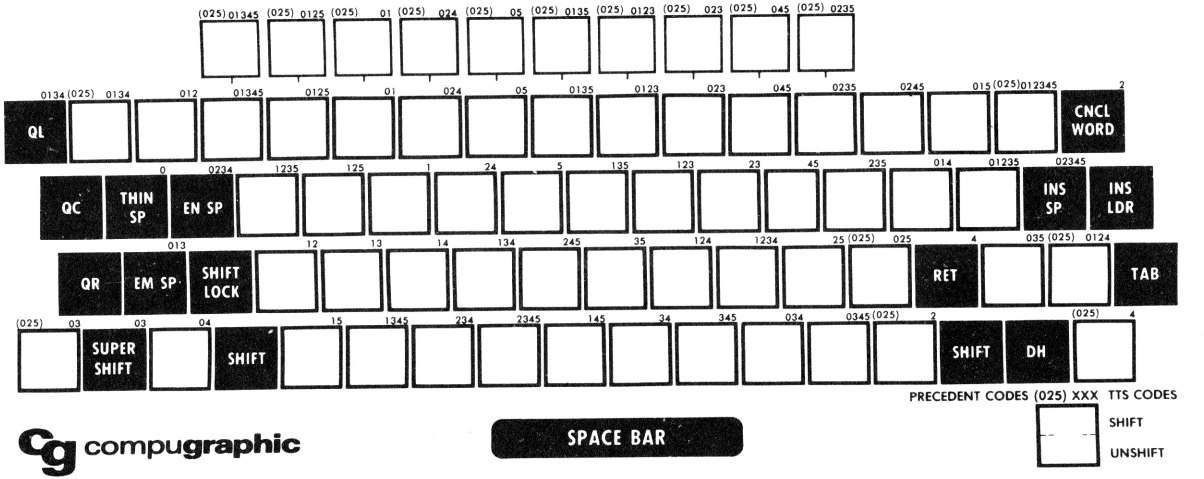
Swash & Alternate character complement 1035

Bookman, Bookman Italic





compugraphic



compugraphic

News Wire Service complement 901 176
Ad complement 902 177
Book & Commercial complement 903 178
Antique Text complement 904 179
Canadian Newspaper Wire Service complement
English. 180
Initial & Ornament complement 908 181
French Canadian Piece Accent comp. 916 183
Book & Commerical complement 918
Tabular 184
Ad complement 919
Tabular 185
International Symbols comp. 920 (Unshift) 186
Shift 187
Holiday Symbols 921 (Unshift) 188
Shift. 189
Blank keyboard 190
Avant Garde Gothic display complement 930. 191
Greek & Math complement 932 192
Greek & Math complement 933 193
Greek & Math complement 934 194
Greek & Math complement 935 195
Reverse complement 938 197
Blank keyboard 198
Copperplate complement 942 199
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MICR comp. 943 (10 pt. lens) 201
Blank keyboard 202
MICR comp. 944 (12 pt. lens) 203
Portuguese complement 945 204
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Multilingual complement 947 206
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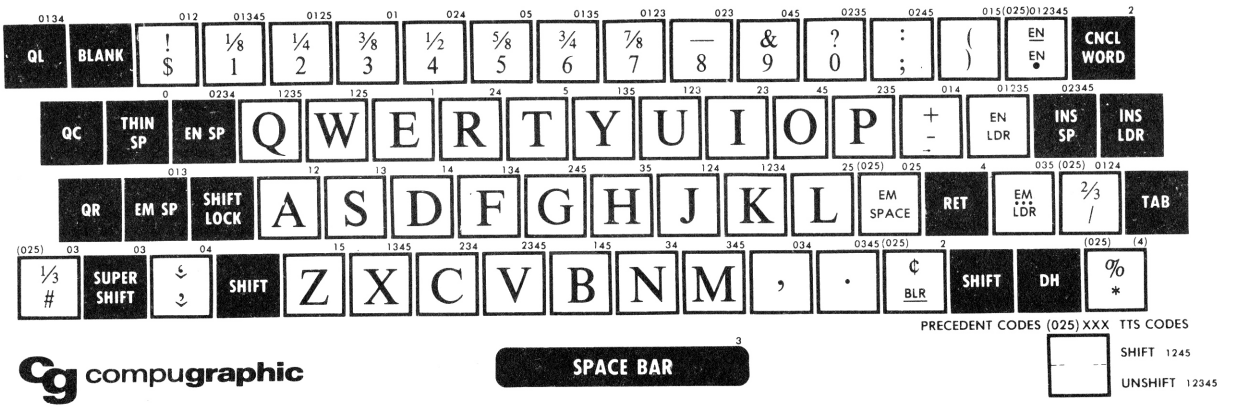
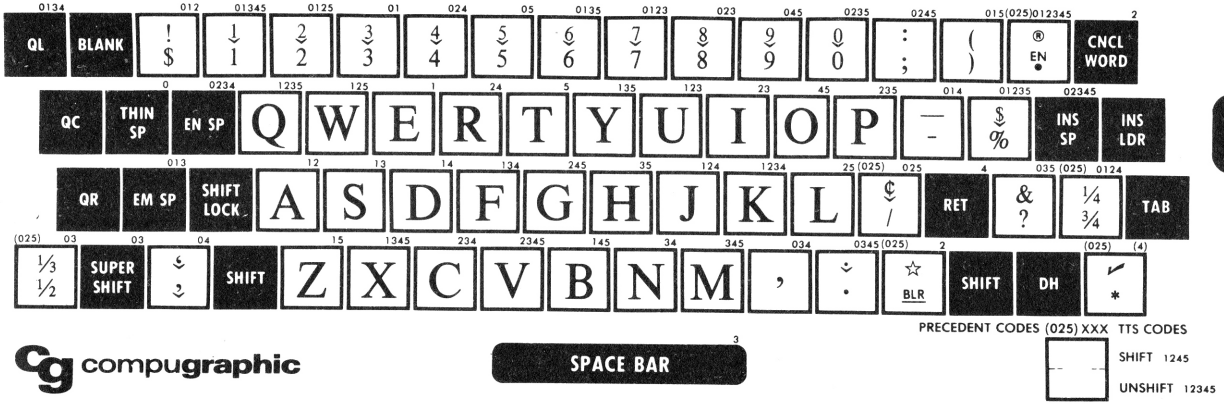
White Russian complement 949 208
Serbian/Macedonian complement 951. 209
Ukrainian complement 952 210
Spanish complement 953 211
Polish complement 954 212
Russian/Bulgarian complement 955 213
Aura Swash & Alternate comp. 959 214
Grizzly Swash & Alternate comp. 960 215
Blank keyboard 216
Tom's Roman
Swash & Alternate complement 961 217
Paladium, Paladium Semibold
Swash & Alternate complement 962 218
Paladium Italic
Swash & Alternate complement 963 219

Cooper Black, Cooper Black Italic
Swash & Alternate complement 964 220
Serif Gothic Reg., Bld., Exbld., Hvy., Outline
Swash & Alternate complement 965 221
Tiffany Light, Medium, Demi
Swash & Alternate complement 966 222
Tiffany Heavy
Swash & Alternate complement 967 223
Libra Swash & Alternate comp. 968. 225
Goudy Bold, Bold Italic
Swash & Alternate complement 969 226
Artcraft Light, Light Italic, Bold
Swash & Alternate complement 970 227
Bookman, Bookman Italic
Swash & Alternate complement 971 228
Blank keyboard 229
Blank keyboard 230

News Wire Service complement 901

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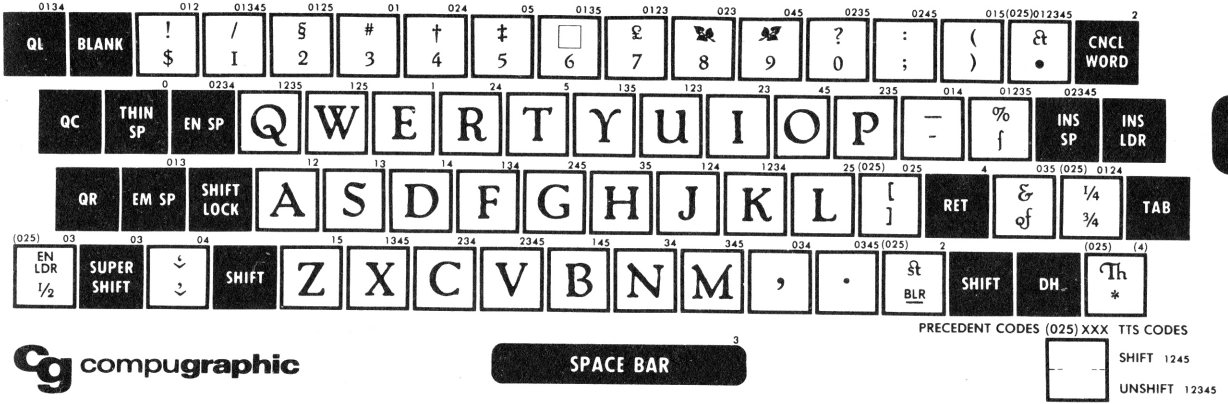
EN SP
INS SP
INS LDR
QR
EM SP
SHIFT LOCK
RET
TAB
SUPER SHIFT
SHIFT
SHIFT
DH
BLR
SPACE BAR
compugraphic
PRECEDENT CODES (025) XXX TTS CODES
SHIFT 1245
UNSHIFT 12345

Book & Commercial complement 903

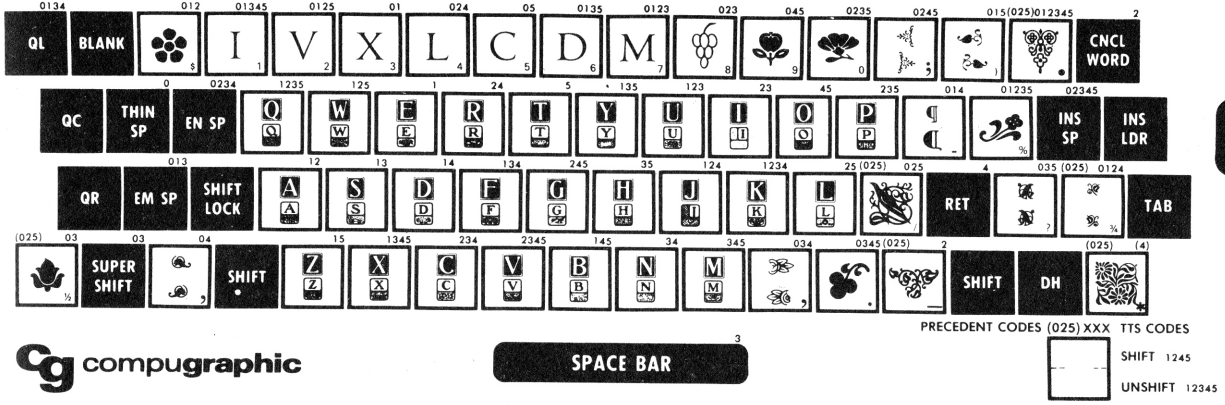


compugraphic

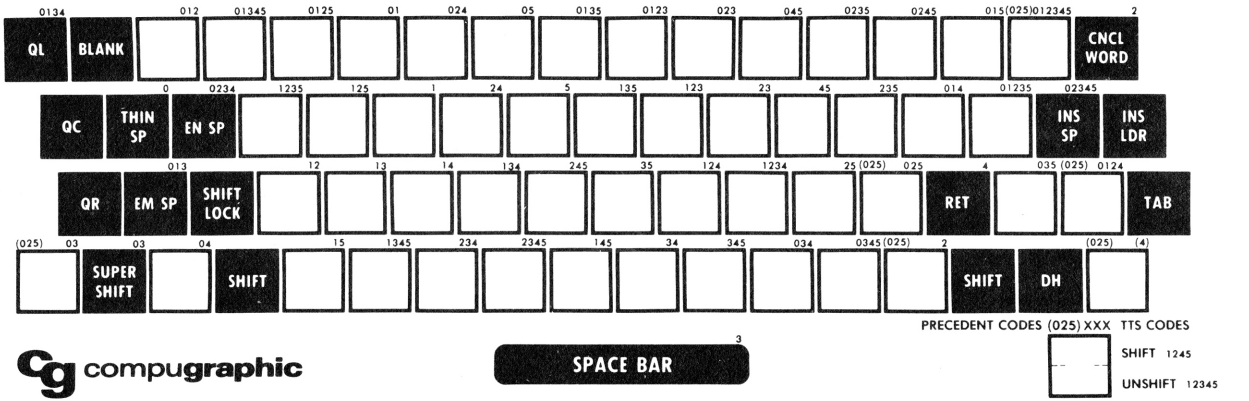
Canadian Newspaper Wire Service complement 905

English

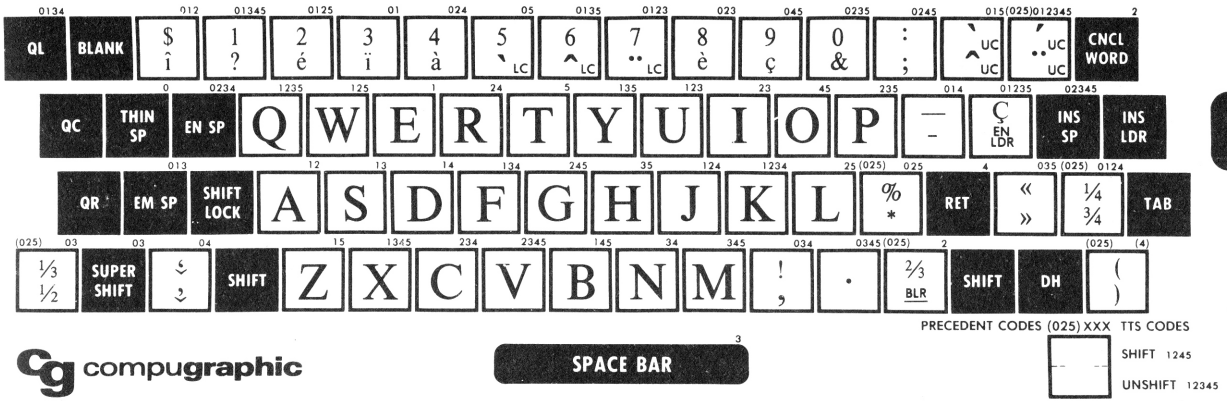
Initial & Ornament complement 908



compugraphic

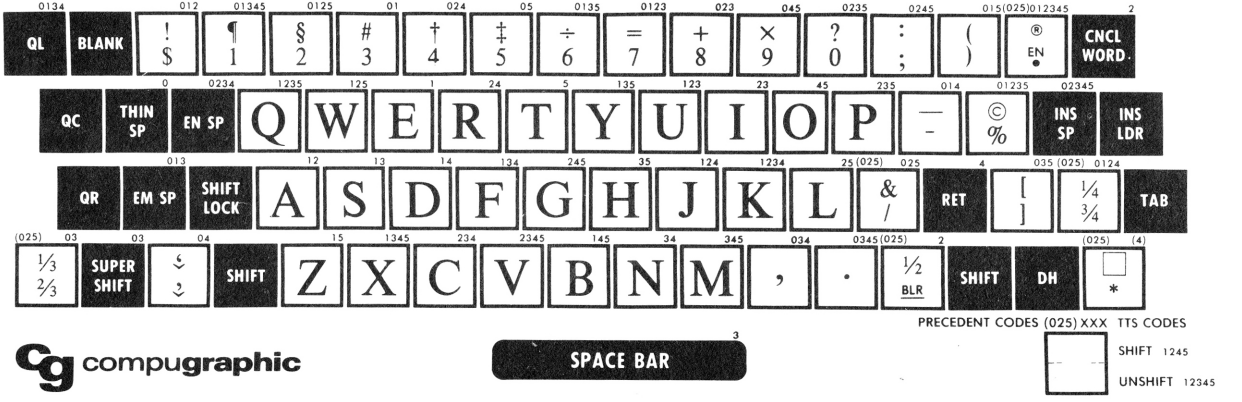

0134
QL
BLANK
012
01345
0125
01
024
05
0135
0123
023
045
0235
0245
015
(025)012345
2
CNCL WORD
QC
THIN SP
0
0234
EN SP
1235
125
1
24
5
135
123
23
45
235
014
01235
02345
INS SP
INS LDR
QR
EM SP
013
SHIFT LOCK
12
13
14
134
245
35
124
1234
25
(025)
025
RET
4
035
(025)
0124
TAB
(025)
03
SUPER SHIFT
03
04
SHIFT
15
1345
234
2345
145
34
345
034
0345
(025)
2
SHIFT
DH
(025)
(4)
PRECEDENT CODES (025) XXX TTS CODES
SHIFT 1245
UNSHIFT 12345
compugraphic
3
SPACE BAR

French Canadian Piece Accent complement 916



Book & Commercial complement 918

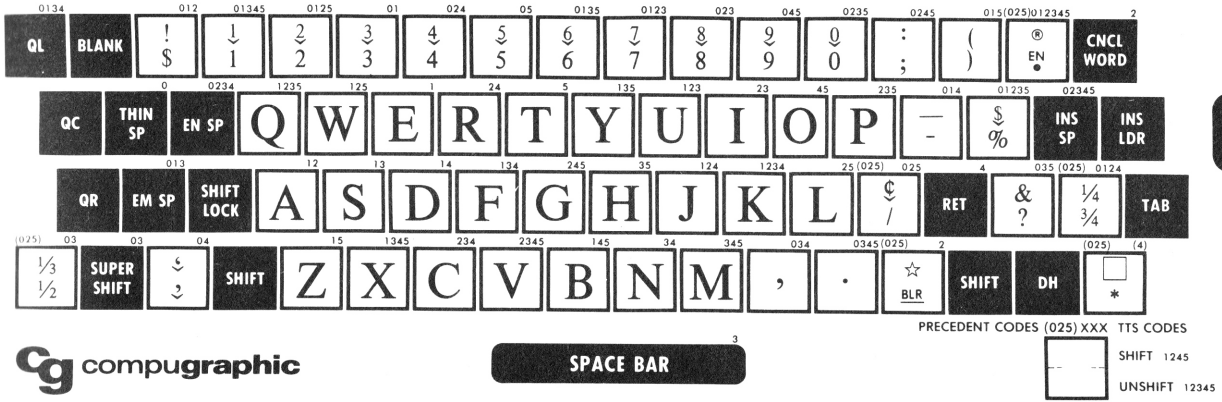
Tabular



ACM9000

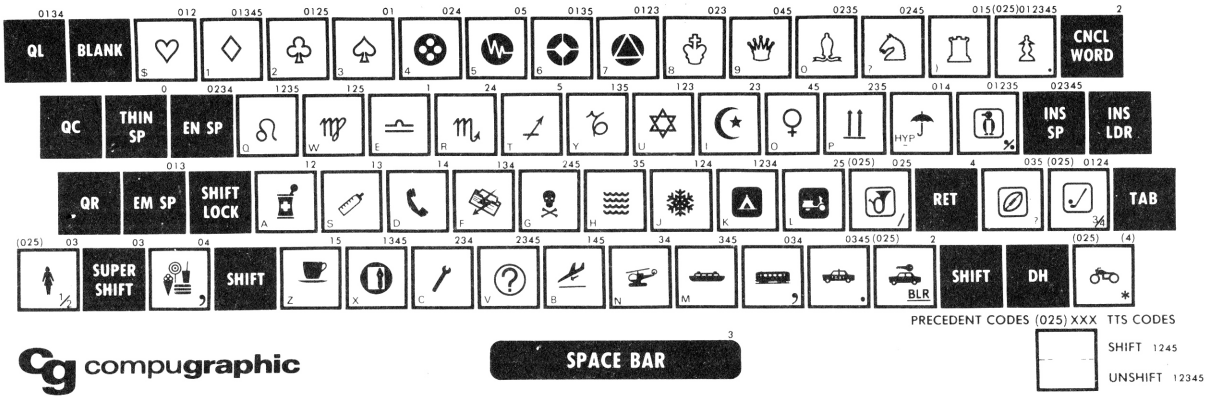
Ad complement 919

Tabular



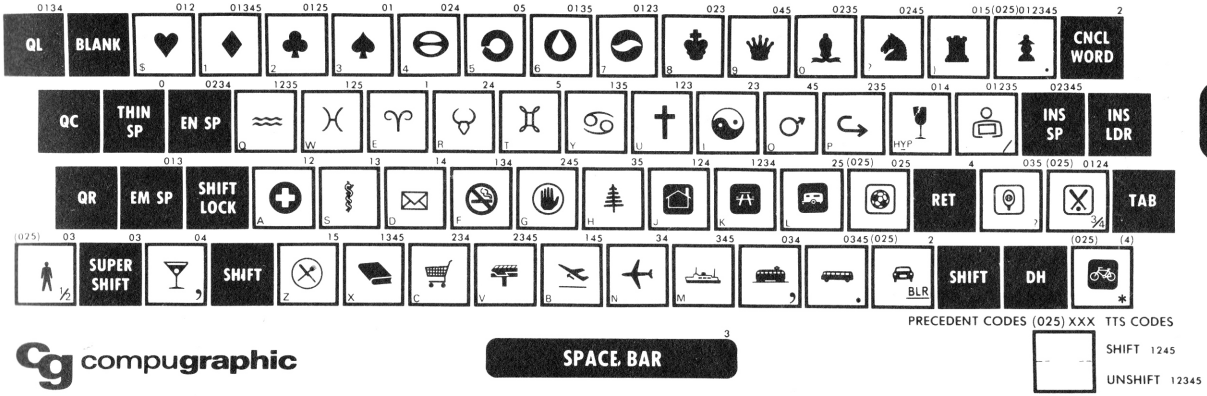
International Symbols complement 920

Unshift



International Symbols complement 920

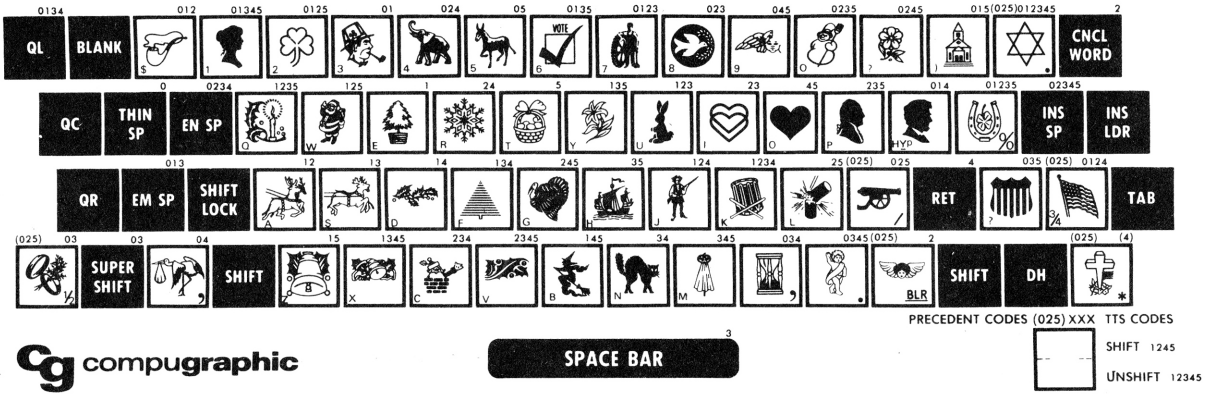
Shift



compugraphic

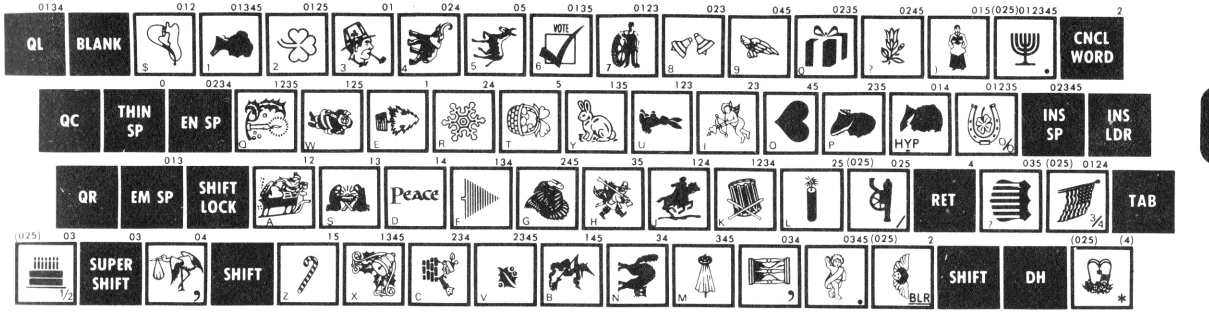
Holiday Symbols complement 921

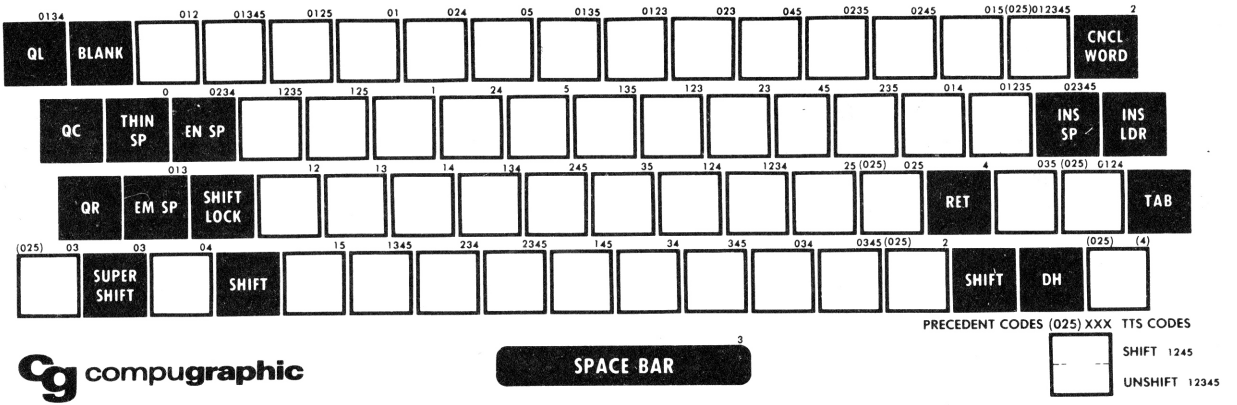
Unshift



Holiday Symbols complement 921

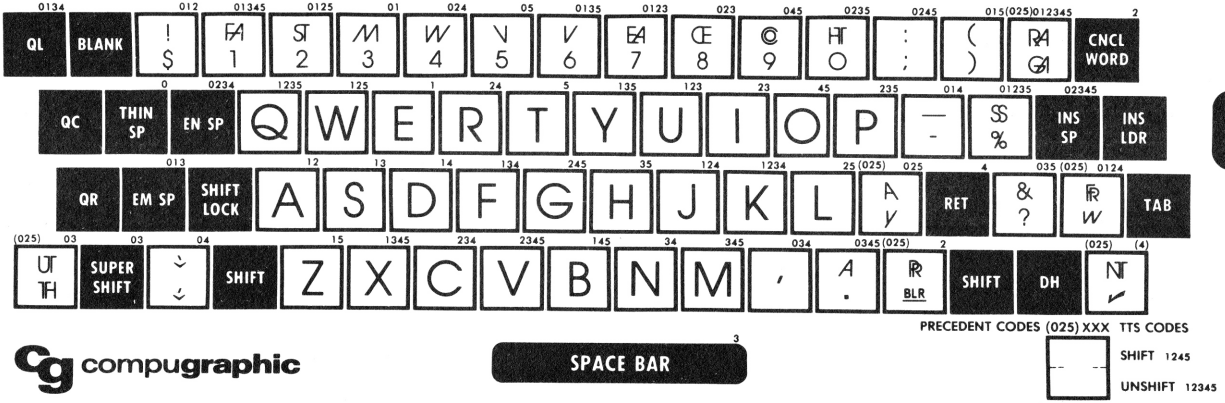
Shift





compugraphic

Avant Garde Gothic display complement 930



compugraphic

Greek & Math complement 932

Greek & Math complement 933

compugraphic

Greek & Math complement 934

compugraphic

This layout applies to reverse typefaces only.

The "beginning" and "ending" wedges for italic reverse typefaces are always assigned a zero width value.

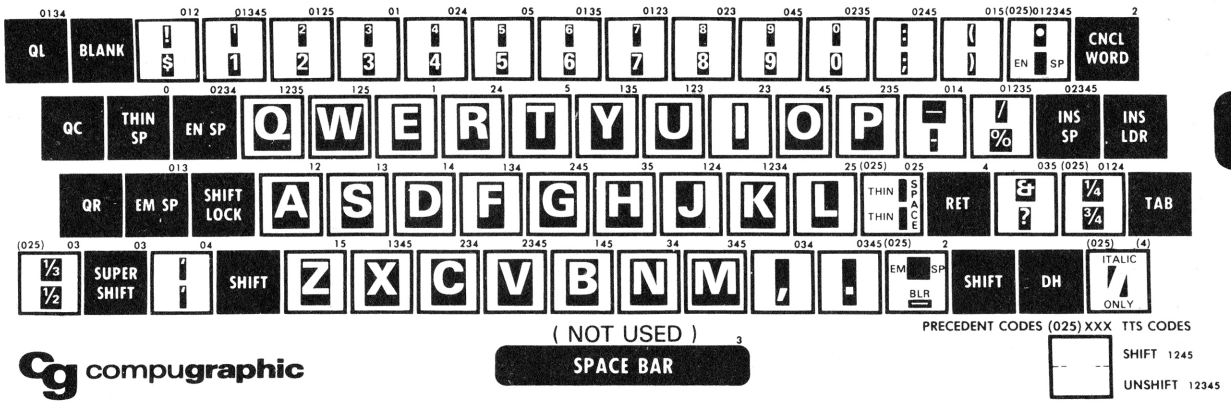
Letterspacing, justification, kerning or character compensation is not recommended.

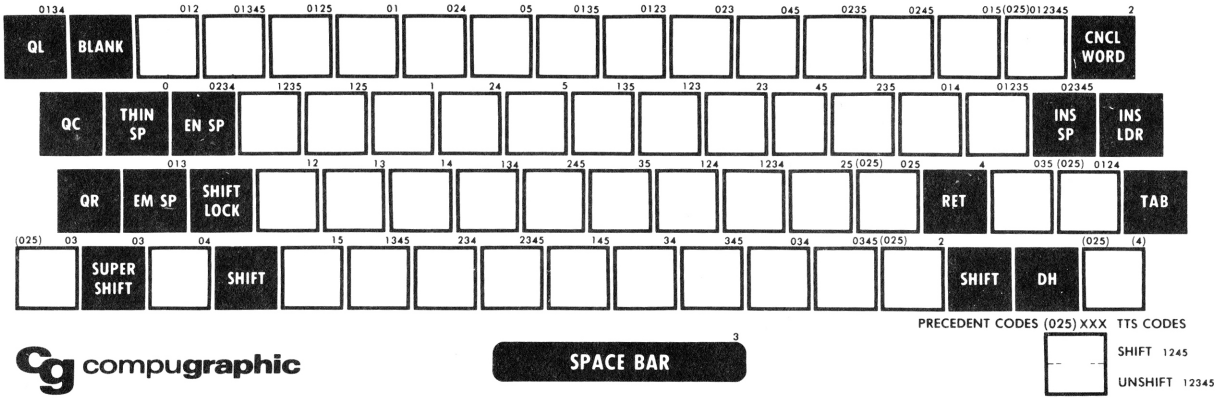
The space bar (word space), regular thin, en and em space will produce white spaces.

The leading (line space) setting should be ½ point smaller than the specified point size.

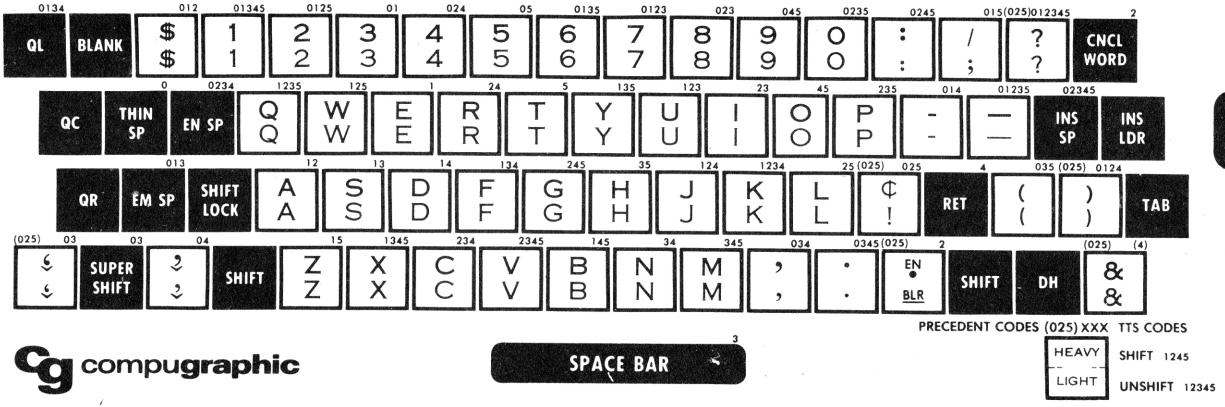
Fixed spaces—refer to notes above and keytops to the right.

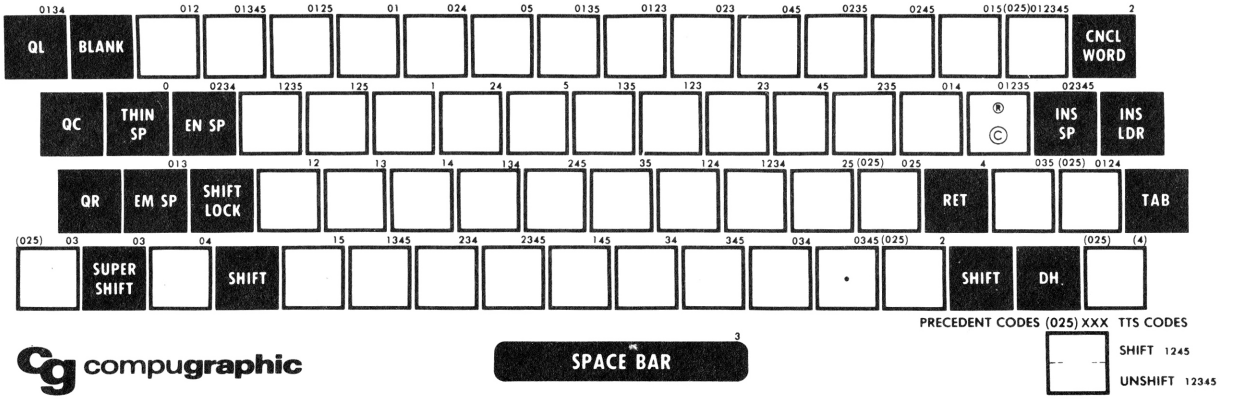
1—Reverse thin space
2—Reverse en space
3—Reverse em space
4—Reverse beginning wedge, italic typefaces only
5—Reverse ending wedge, italic typefaces only


QL
BLANK
CNCL WORD
QC
THIN SP
EN SP
INS SP
INS LDR
QR
EM SP
SHIFT LOCK
RET
TAB
SUPER SHIFT
SHIFT
SHIFT
DH
ITALIC ONLY
(NOT USED)
SPACE BAR
PRECEDENT CODES (025) XXX TTS CODES
SHIFT 1245
UNSHIFT 12345
compugraphic



compugraphic

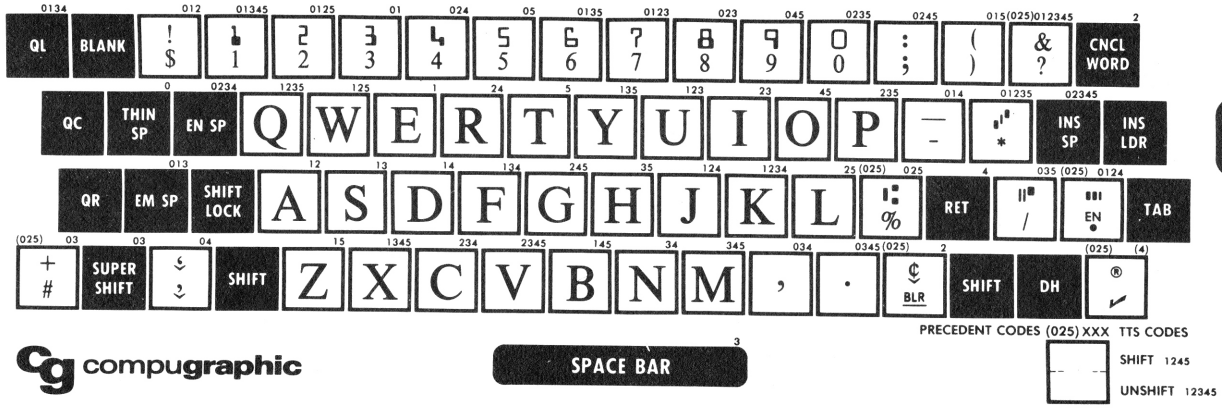

QL
BLANK
CNCL WORD
QC
THIN SP
EN SP
INS SP
INS LDR
QR
EM SP
SHIFT LOCK
RET
TAB
SUPER SHIFT
SHIFT
SHIFT
DH
SPACE BAR
PRECEDENT CODES (025) XXX TTS CODES
HEAVY
LIGHT
SHIFT 1245
UNSHIFT 12345
compugraphic

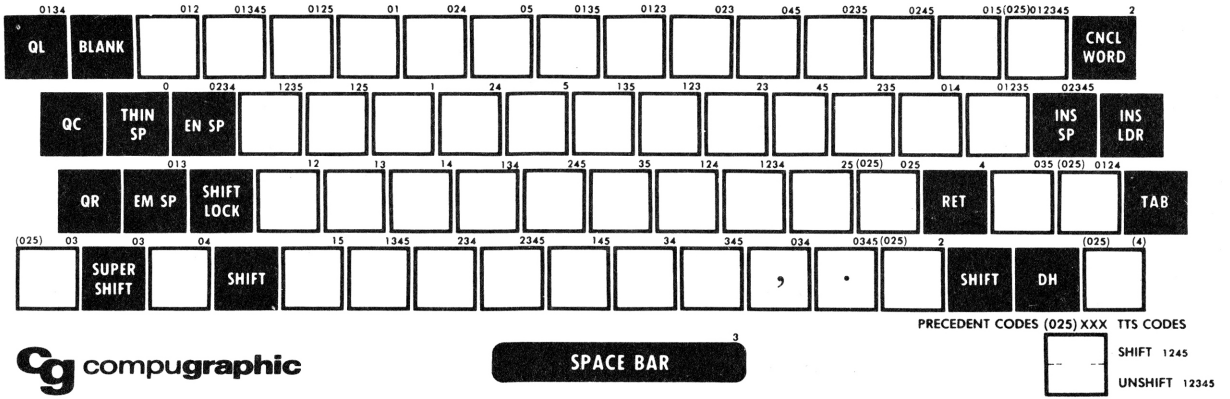


compugraphic

MICR complement 943

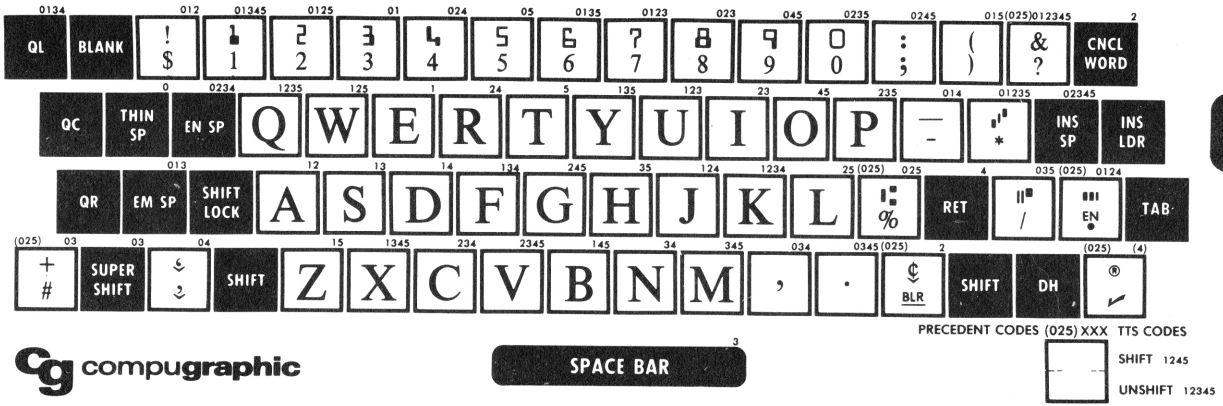
With standard typeface, 10pt. lens




0134
QL
BLANK
012
01345
0125
01
024
05
0135
0123
023
045
0235
0245
015
(025)012345
2
CNCL WORD
QC
0
THIN SP
0234
EN SP
1235
125
1
24
5
135
123
23
45
235
014
01235
02345
INS SP
INS LDR
013
QR
EM SP
SHIFT LOCK
12
13
14
134
245
35
124
1234
25
(025)
025
4
RET
035
(025)
0124
TAB
(025)
03
03
SUPER SHIFT
04
SHIFT
15
1345
234
2345
145
34
345
034
0345
(025)
2
SHIFT
DH
(025)
(4)
3
SPACE BAR
PRECEDENT CODES (025) XXX TTS CODES
SHIFT 1245
UNSHIFT 12345
compugraphic

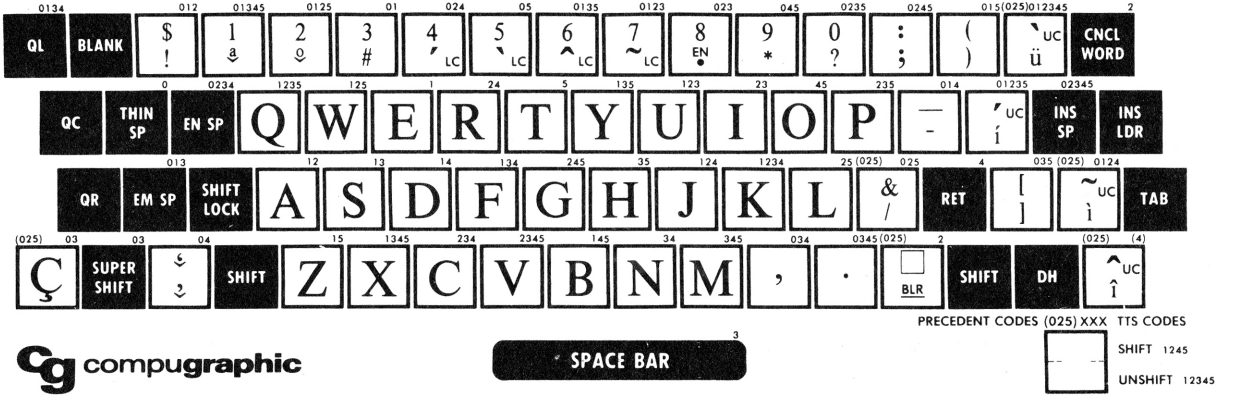
MICR complement 944

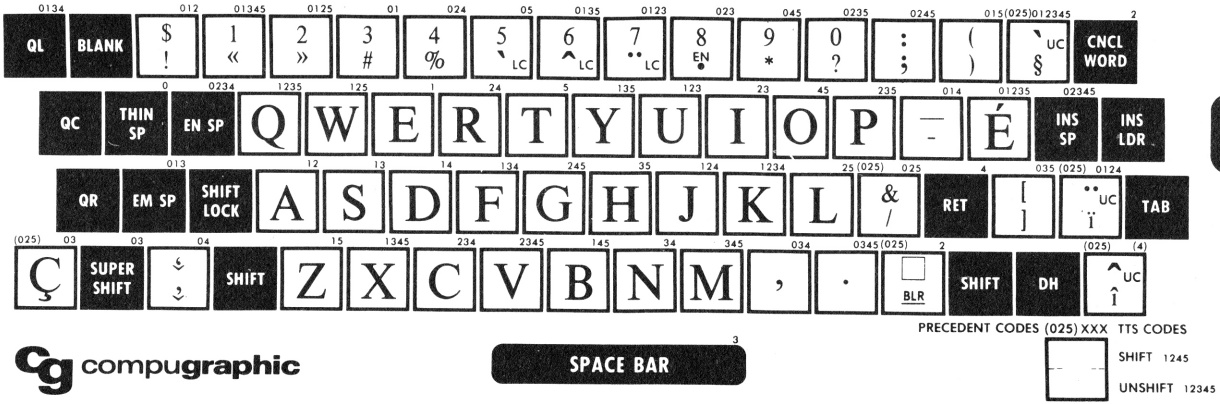
With standard typeface, 12pt. lens



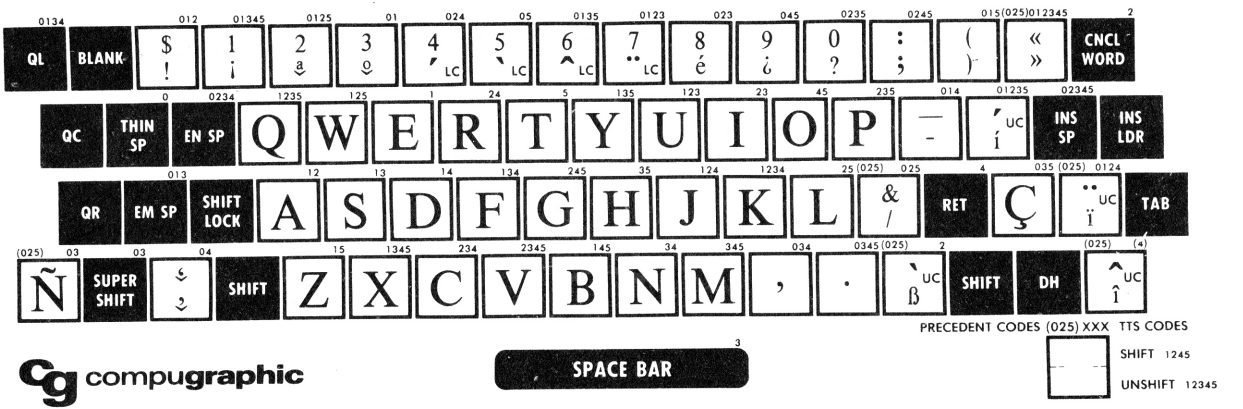
compugraphic

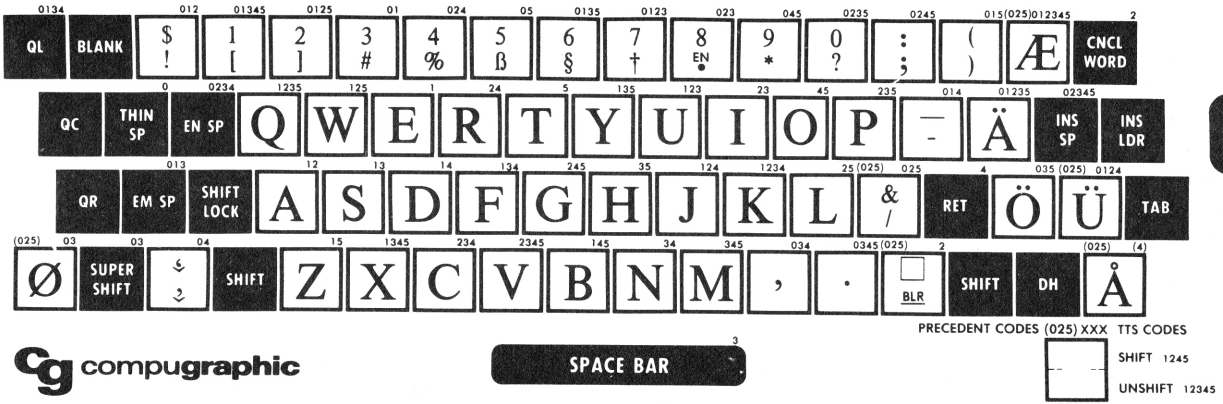
Portuguese complement 945




QL
BLANK
CNCL WORD
QC
THIN SP
EN SP
INS SP
INS LDR
QR
EM SP
SHIFT LOCK
RET
TAB
SUPER SHIFT
SHIFT
BLR
SHIFT
DH
UC
LC
EN
PRECEDENT CODES (025) XXX TTS CODES
SHIFT 1245
UNSHIFT 12345
compugraphic
SPACE BAR

Multilingual complement 947



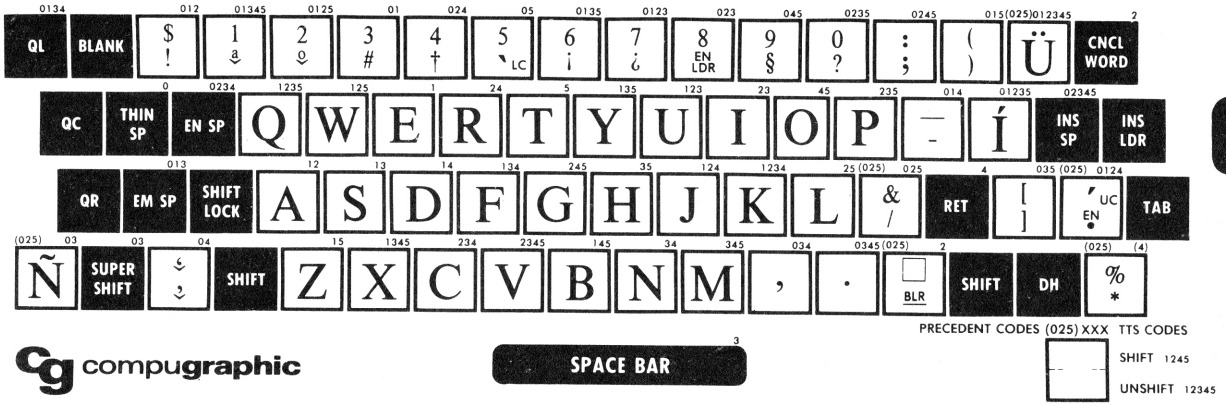

QL
BLANK
$!
1 [
2]
3 #
4 %
5 ß
6 §
7 †
8 EN •
9 *
0 ?
: ;
( )
Æ
CNCL WORD
QC
THIN SP
EN SP
Q W E R T Y U I O P
¯ -
Ä
INS SP
INS LDR
QR
EM SP
SHIFT LOCK
A S D F G H J K L
& /
RET
Ö
Ü
TAB
Ø
SUPER SHIFT
SHIFT
Z X C V B N M , .
BLR
SHIFT
DH
Å
SPACE BAR
PRECEDENT CODES (025) XXX TTS CODES
SHIFT 1245
UNSHIFT 12345
compugraphic

White Russian complement 949

Serbian/Macedonain complement 951

compugraphic

Ukrainian complement 952

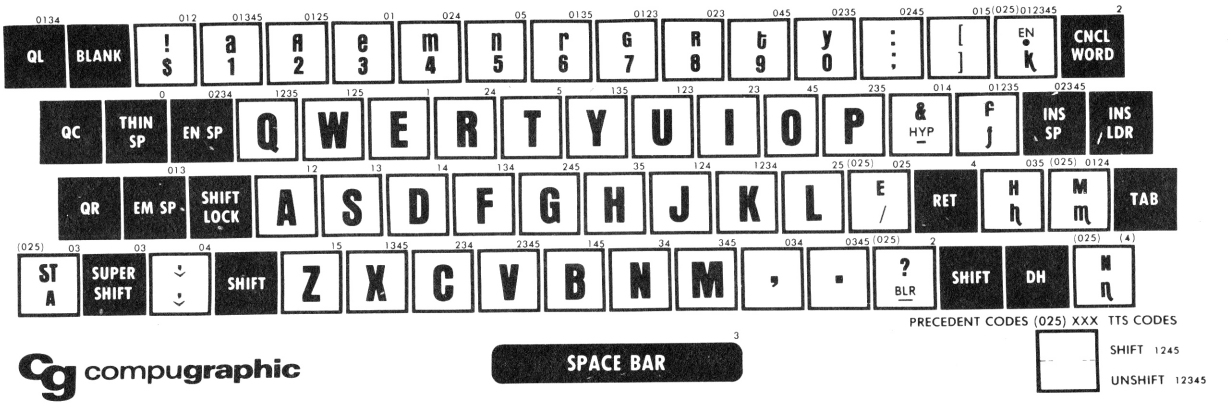

QL
BLANK
$!
1 a
2 º
3 #
4 †
5 LC
6 ¡
7 ¿
8 EN LDR
9 §
0 ?
: ;
( )
Ü
CNCL WORD
QC
THIN SP
EN SP
Q W E R T Y U I O P
Í
INS SP
INS LDR
QR
EM SP
SHIFT LOCK
A S D F G H J K L
& /
RET
[ ]
UC EN
TAB
Ñ
SUPER SHIFT
SHIFT
Z X C V B N M , .
BLR
SHIFT
DH
% *
SPACE BAR
compugraphic
PRECEDENT CODES (025) XXX TTS CODES
SHIFT 1245
UNSHIFT 12345

Polish complement 954

Russian/Bulgarian complement 955

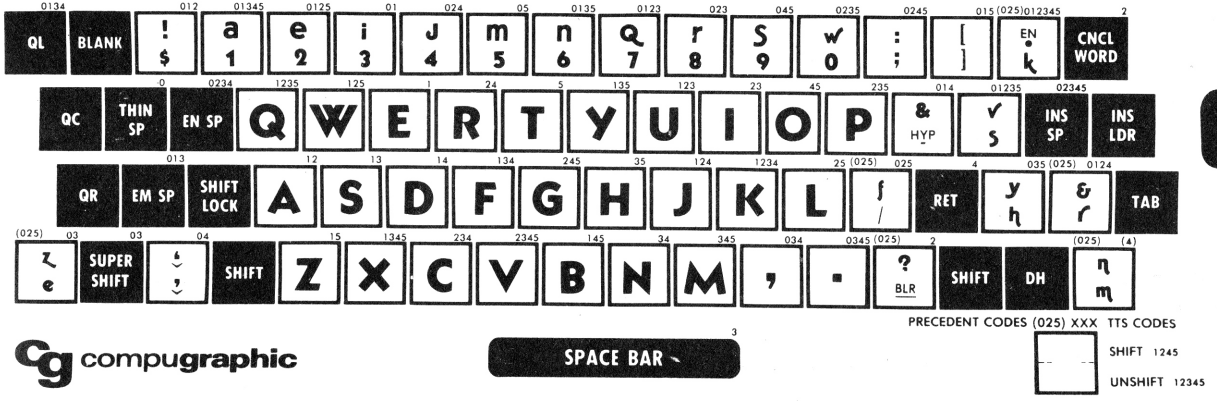
Swash & Alternate character complement 959

Aura

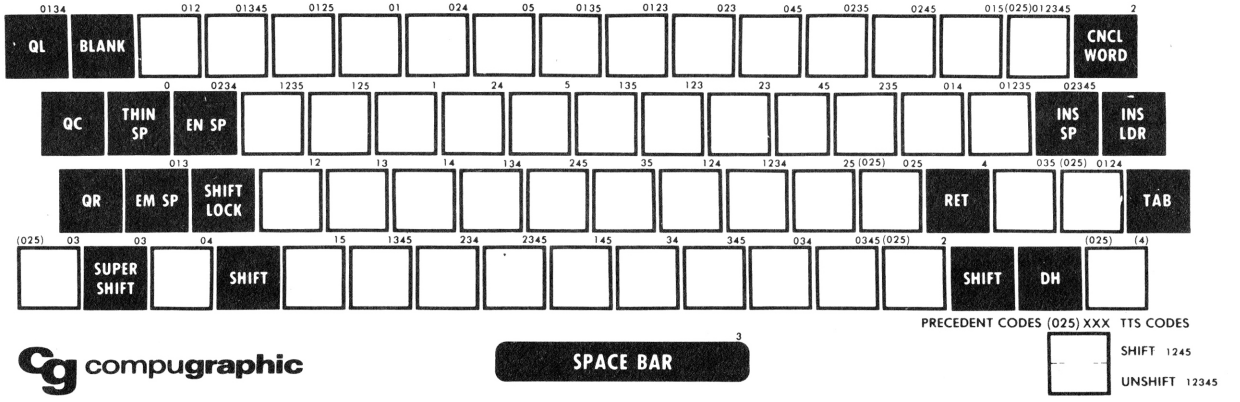


Swash & Alternate character complement 960

Grizzly



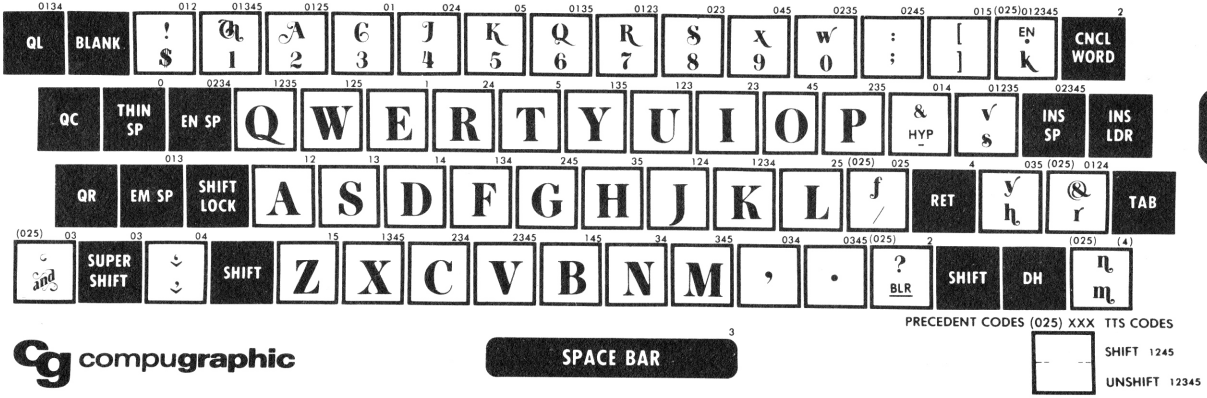
compugraphic


0134
QL
BLANK
012
01345
0125
01
024
05
0135
0123
023
045
0235
0245
015(025)012345
2
CNCL WORD
0
0234
1235
125
1
24
5
135
123
23
45
235
014
01235
02345
QC
THIN SP
EN SP
INS SP
INS LDR
013
12
13
14
134
245
35
124
1234
25(025)
025
4
035(025)
0124
QR
EM SP
SHIFT LOCK
RET
TAB
(025)
03
03
04
15
1345
234
2345
145
34
345
034
0345(025)
2
(025)
(4)
SUPER SHIFT
SHIFT
SHIFT
DH
PRECEDENT CODES (025) XXX TTS CODES
SHIFT 1245
UNSHIFT 12345
compugraphic
3
SPACE BAR

Swash & Alternate character complement 961

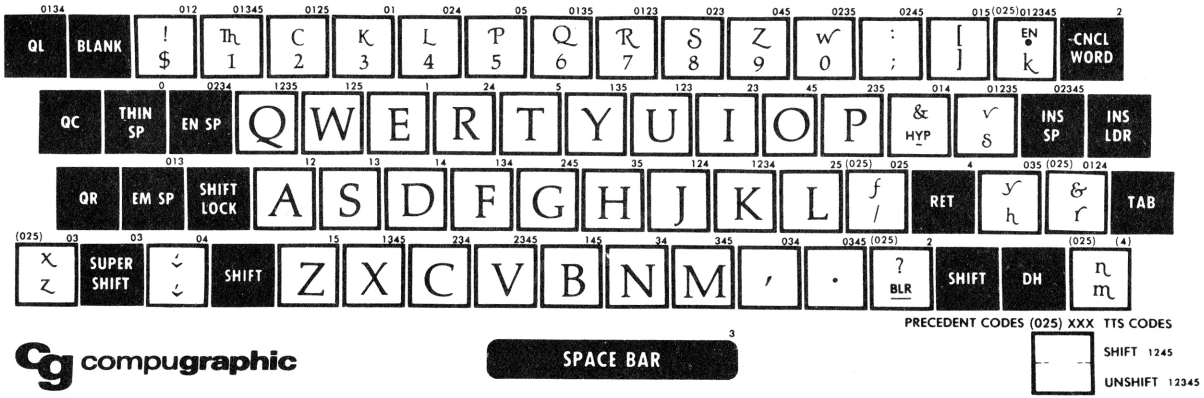
Tom's Roman

The piece swash (H) is to be used with straight sided cap characters.



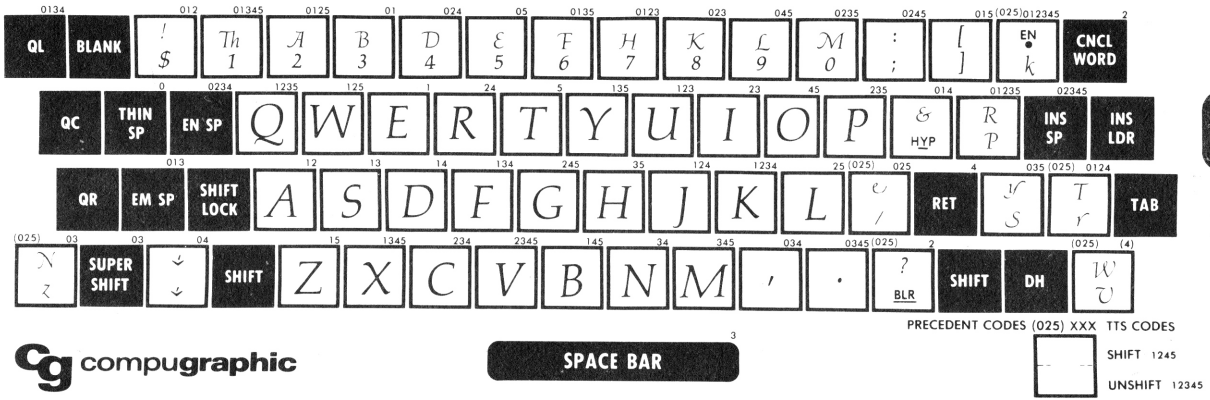
Swash & Alternate character complement 962

Paladium, Paladium Semibold



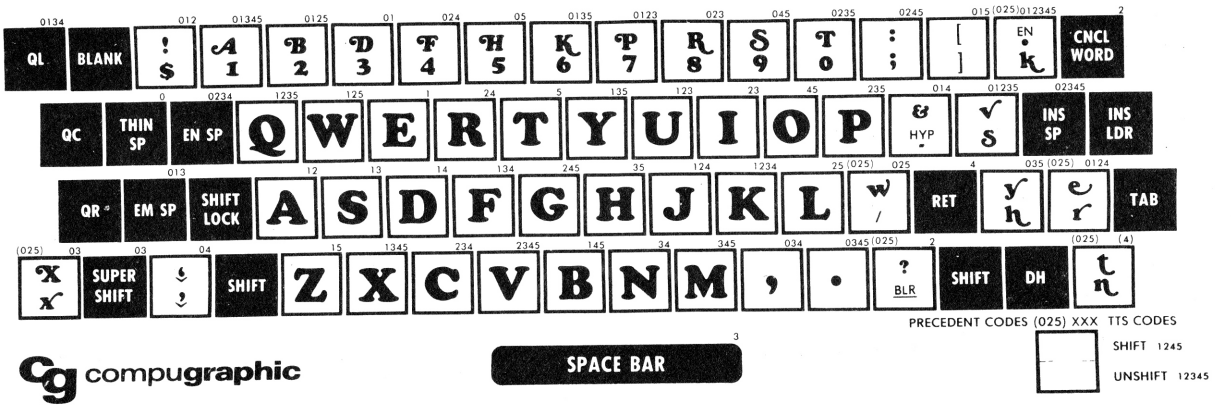
Swash & Alternate character complement 963

Paladium Italic



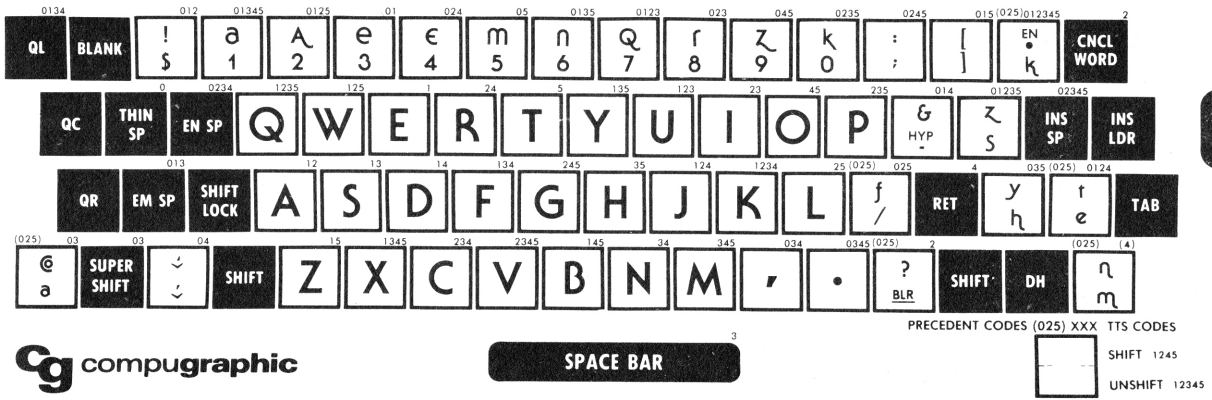
Swash & Alternate character complement 964

Cooper Black, Cooper Black Italic



Swash & Alternate character complement 965

Serif Gothic Regular, Bold, Extrabold, Heavy, Outline

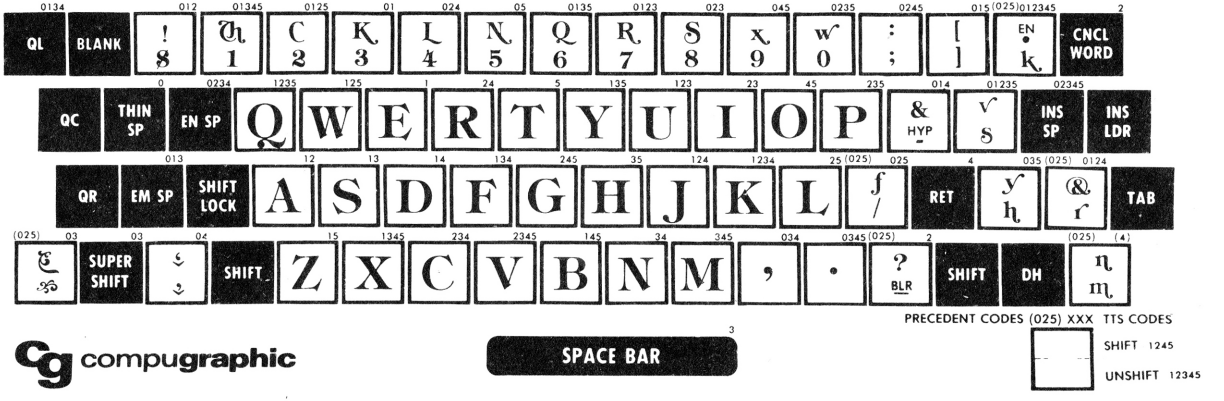


compugraphic

Swash & Alternate character complement 966

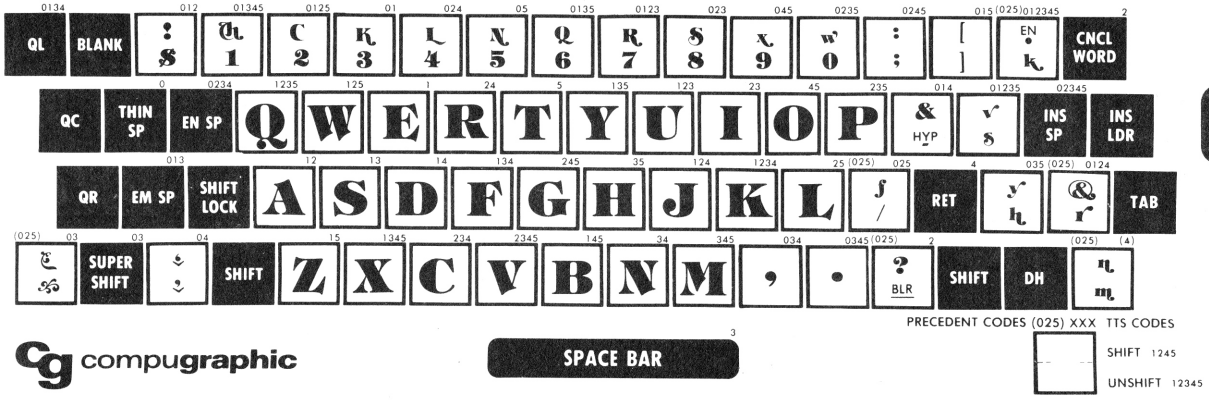
Tiffany Light, Medium, Demi

The piece swash ( ) is to be used with straight sided cap characters.



compugraphic

The piece swash (H) is to be used with straight sided cap characters.



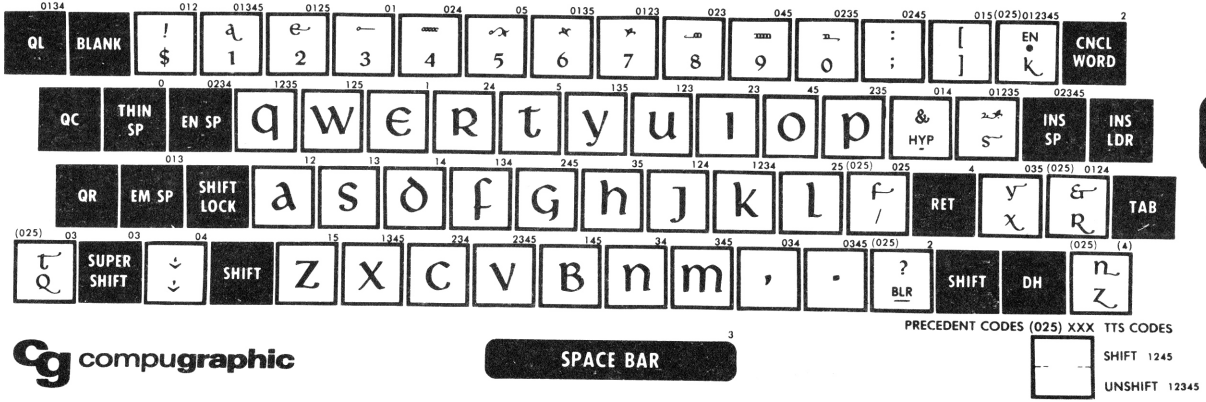
compugraphic

Characters in shift position keys 3 ( ), 4 ( ) and 5 ( ) are common connecting elements. ( )

Characters in shift position keys 8 (), 9 () and 0 () are common connecting elements. ()

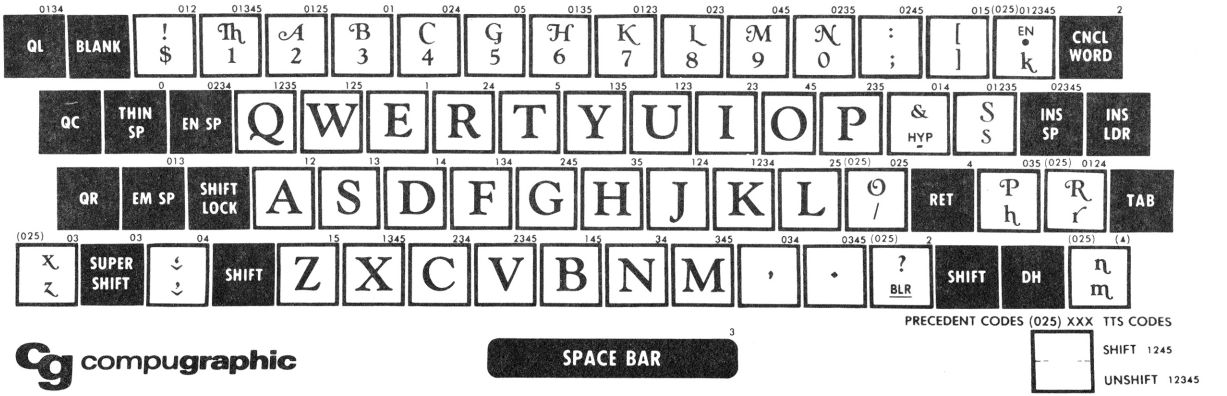
Swash & Alternate character complement 968

Libra



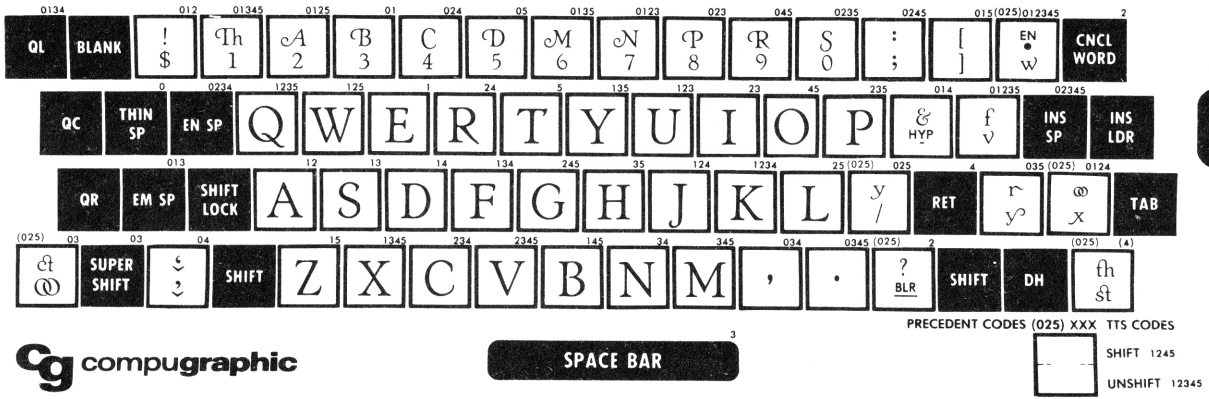
Swash & Alternate character complement 969

Goudy Bold, Bold Italic



Swash & Alternate character complement 970

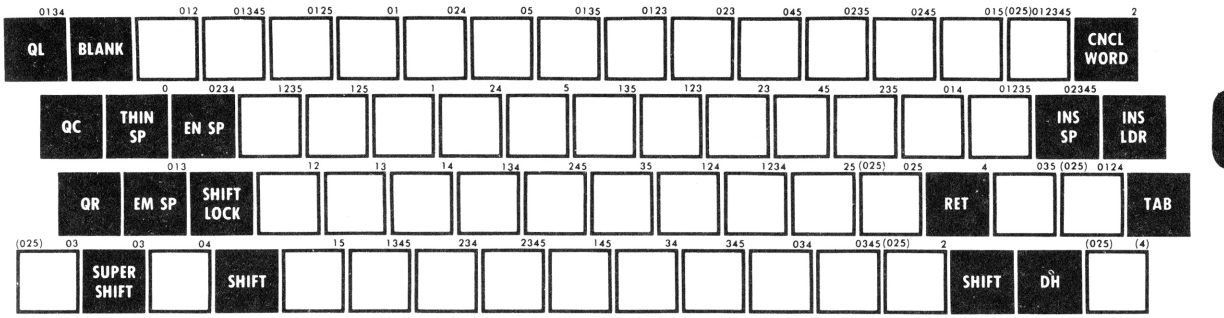
Artcraft Light, Light Italic, Bold



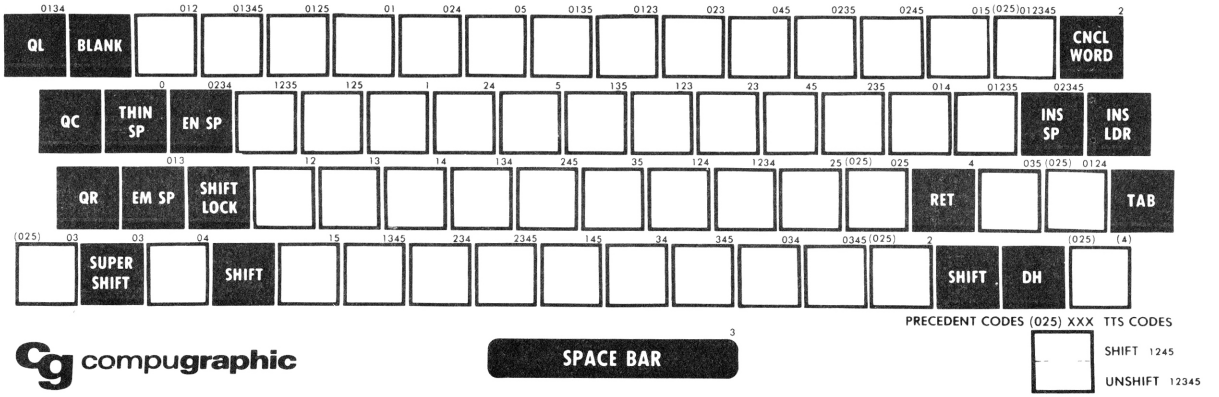
compugraphic

Swash & Alternate character complement 971

Bookman, Bookman Italic



compugraphic

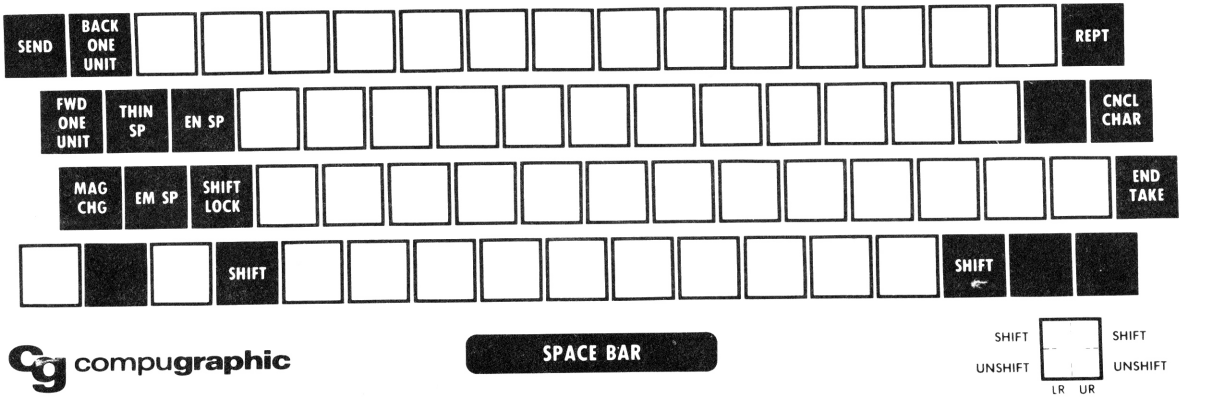


compugraphic

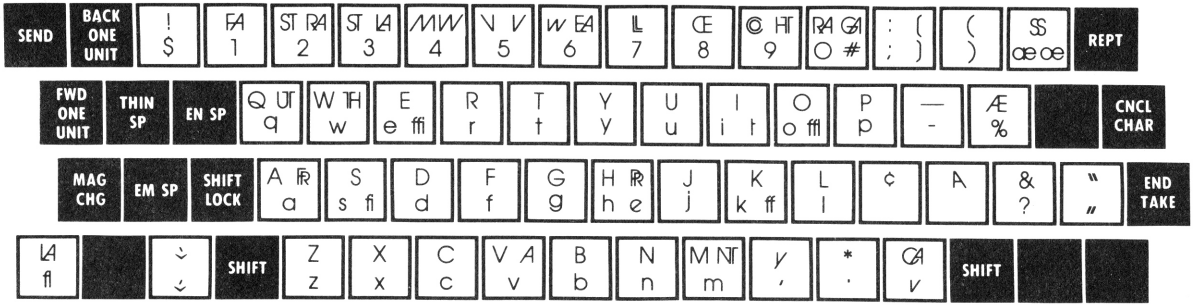
Blank keyboard 232
Avant Garde Gothic display complement 40 233
International Symbols comp. 42 (Unshift) 234
Shift 235
Holiday Symbols complement 43 (Unshift) 236
Shift 237
Border complement 44 238
Border complement 45 239
Grocery Logo complement 46. 241
Blank keyboard 242
Aura Swash & Alternate complement 47. 243
Grizzly Swash & Alternate complement 48 244
Tom's Roman Swash & Alternate comp. 49 245
Ad complement 50 246
Ad complement 51 (½ size typefaces) 247
Blank keyboard 248
Greek & Math complement 56 249
Reverse complement 57 251
Blank keyboard 252
Border Symbols complement 60 253
Initial & Ornament complement 61. 254
Antique Display complement 62. 255
Paladium, Paladium Semibold
Swash & Alternate complement 67 256
Paladium Italic Swash & Alternate comp. 68 . . . 257
Cooper Black, Cooper Black Italic
Swash & Alternate complement 69 258
Serif Gothic Regular, Bold, Exbld., Hvy., Outline
Swash & Alternate complement 70 259
Tiffany Light, Medium, Demi
Swash & Alternate complement 71 260
Tiffany Heavy Swash & Alternate comp. 72 261
Libra Swash & Alternate complement 73 263
Goudy Bold, Bold Italic
Swash & Alternate complement 74 264
Artcraft Light, Light Italic, Bold
Swash & Alternate complement 75 265

CG 7200

Blank keyboard 266
Bookman, Bookman Italic
Swash & Alternate complement 76 267
French Canadian complement 307
Floating accent machines only 268
Russian complement 327 269
French Canadian complement 337 (½ size typefaces)
Floating accent machines only 270
Blank keyboard 271
Blank keyboard 272


SEND
BACK ONE UNIT
REPT
FWD ONE UNIT
THIN SP
EN SP
CNCL CHAR
MAG CHG
EM SP
SHIFT LOCK
END TAKE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
UNSHIFT
SHIFT
UNSHIFT
LR UR

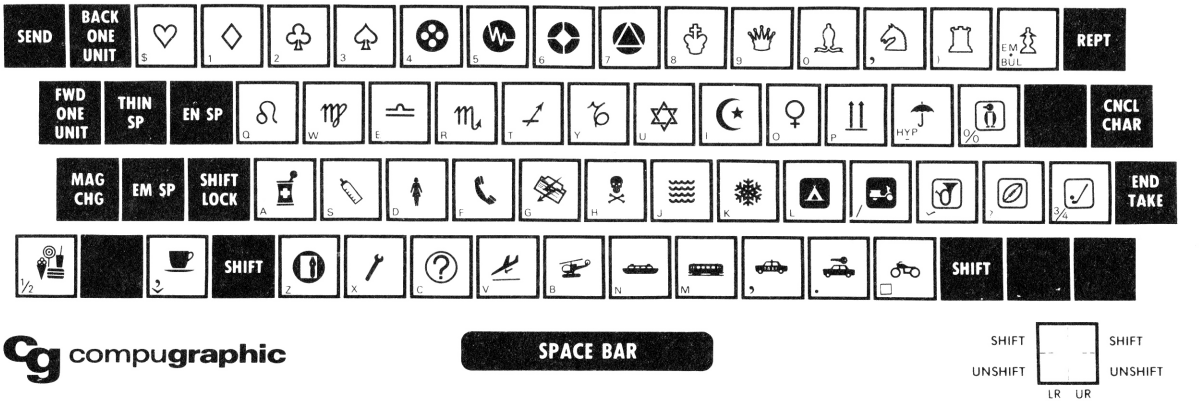
Avant Garde Gothic display complement 40



compugraphic

International Symbols complement 42

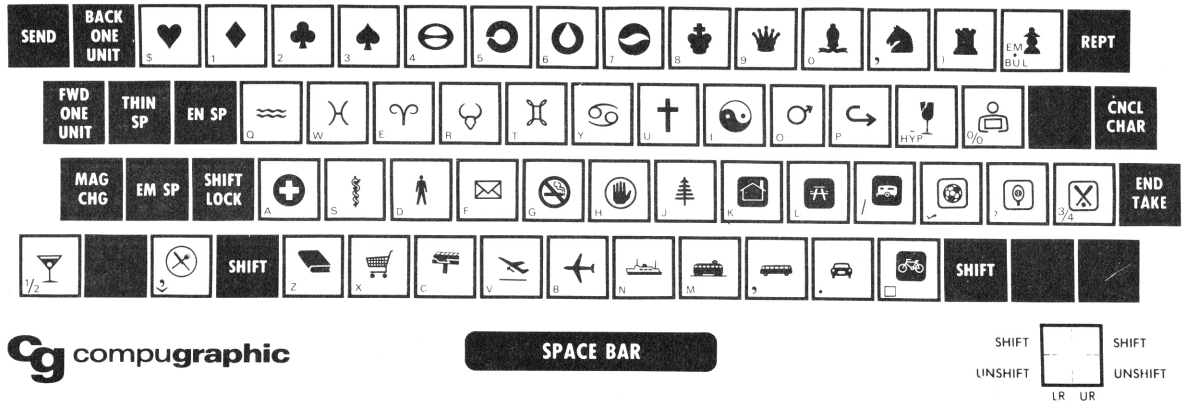
Unshift



compugraphic

International Symbols complement 42

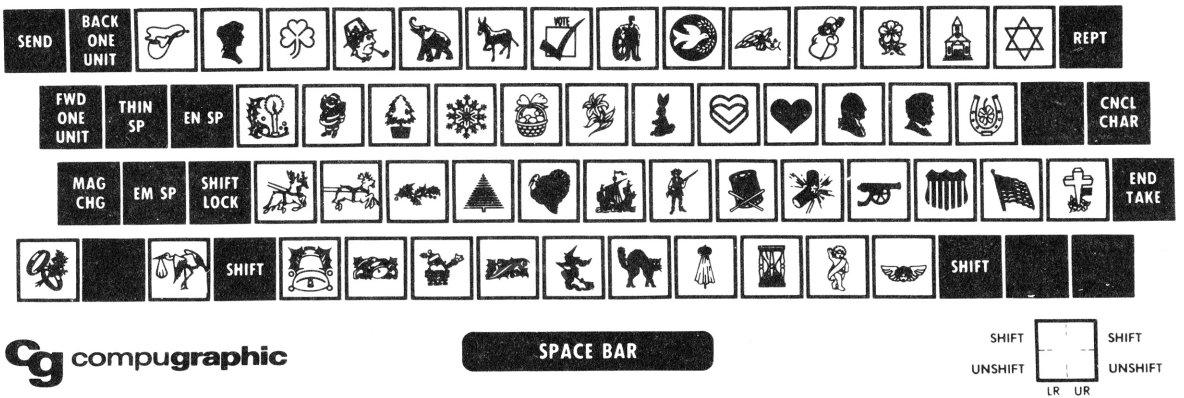
Shift



compugraphic

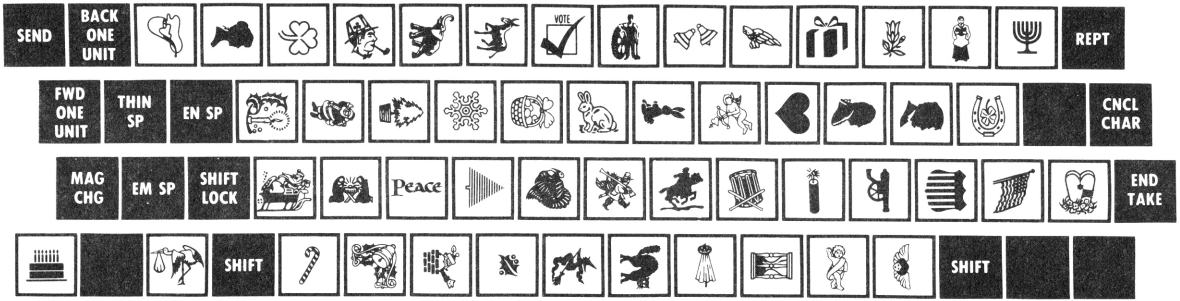
Holiday Symbols complement 43

Unshift

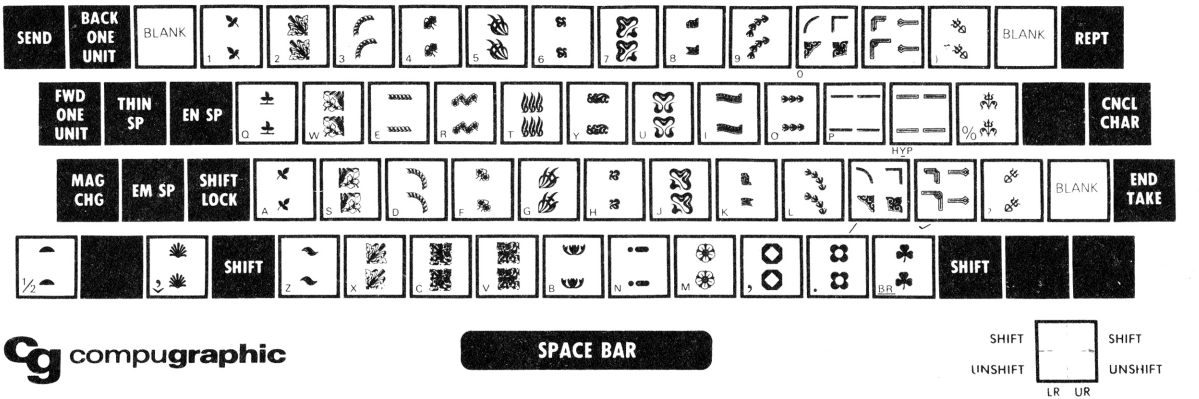


Holiday Symbols complement 43

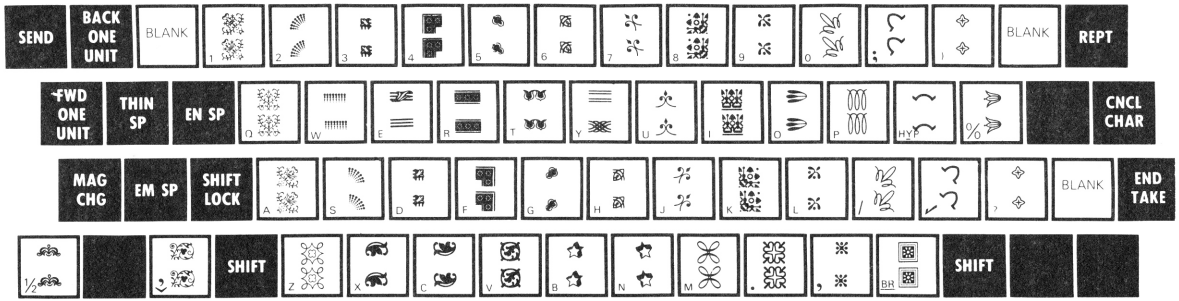
Shift



Border complement 44



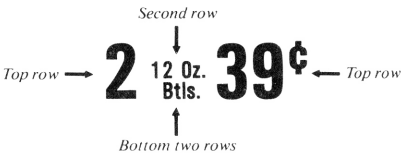
Border complement 45



compugraphic

How it Works: (Refer to keyboard layout)

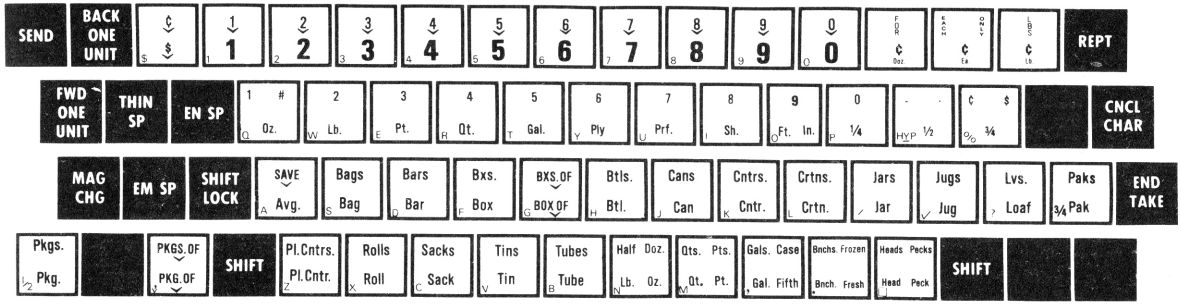
1. Top row of keys contains full size figures, full size superior figures, monetary signs and seven single key logos.
2. Second row of keys contains figures, weights, measures, and monetary signs for top lines of logos.
3. Bottom two rows of keys provide a full range of containers and descriptive items.



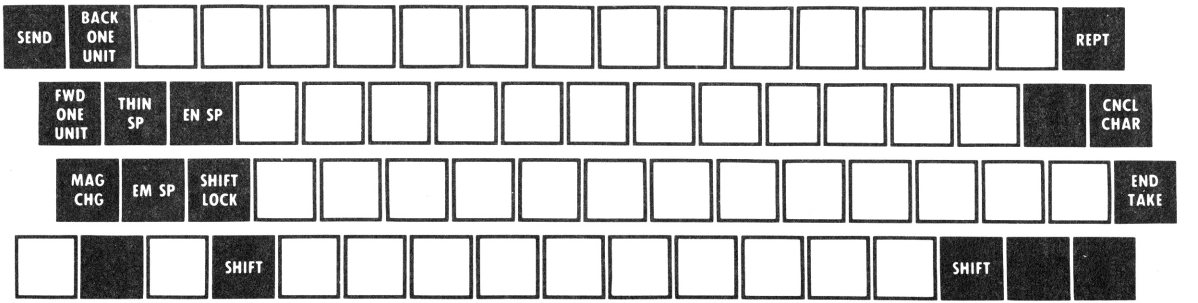
Things to Know:

1. Font designed to function best with automatic letterspace compensation switch on.
2. Space is automatically inserted after logo bottom line key is depressed. If no bottom line entry is used, an en space is required.
3. The five superior lines (bottom two rows of keys) require an en space to be added after logo superior and numerals are complete.

Grocery Logo complement 46

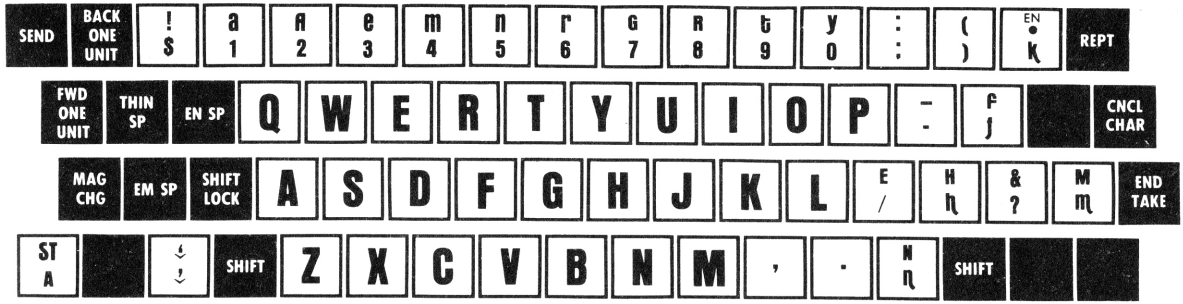


compugraphic


SEND
BACK ONE UNIT
REPT
FWD ONE UNIT
THIN SP
EN SP
CNCL CHAR
MAG CHG
EM SP
SHIFT LOCK
END TAKE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
SHIFT
UNSHIFT
UNSHIFT
LR
UR

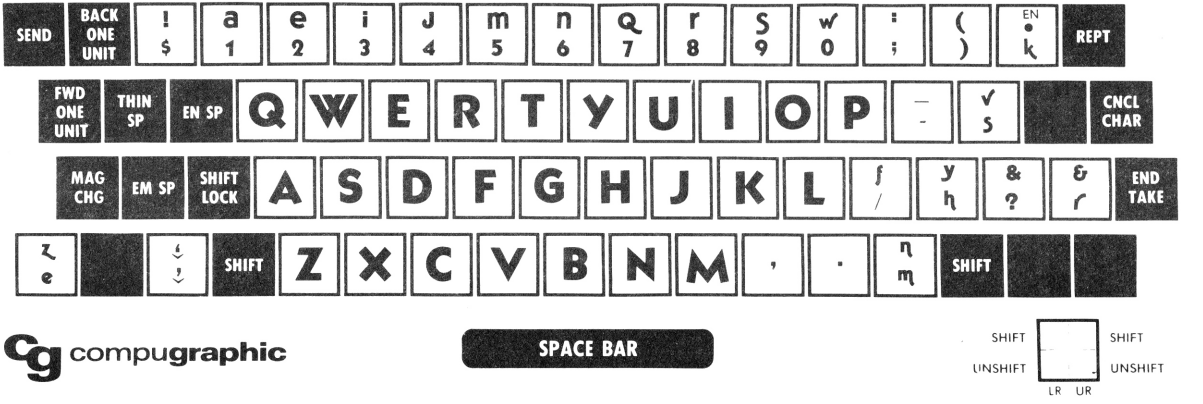
Swash & Alternate character complement 47

Aura



Swash & Alternate character complement 48

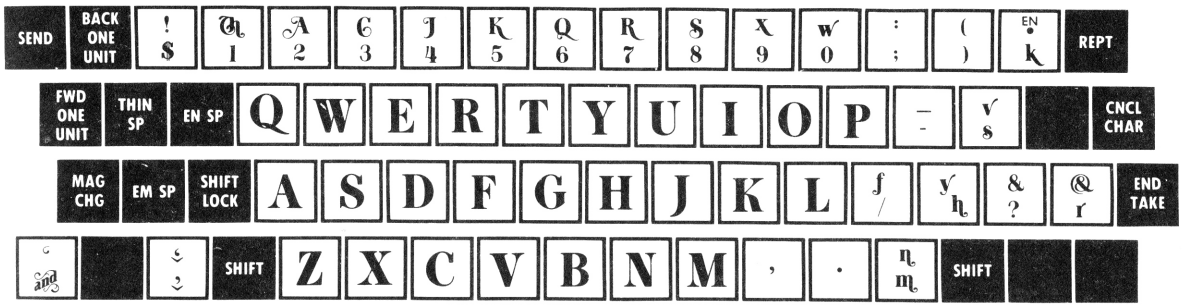
Grizzly



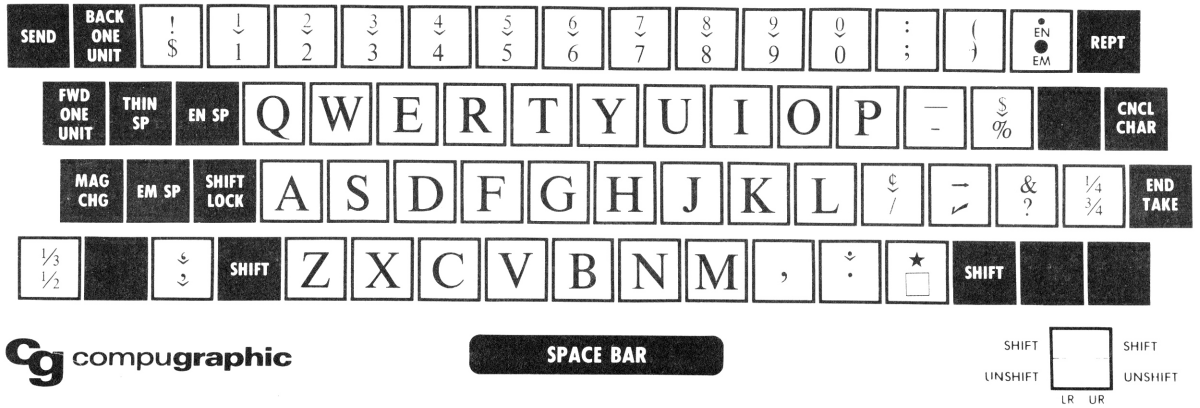
Swash & Alternate character complement 49

Tom's Roman

The piece swash (H) is to be used with straight sided cap characters.

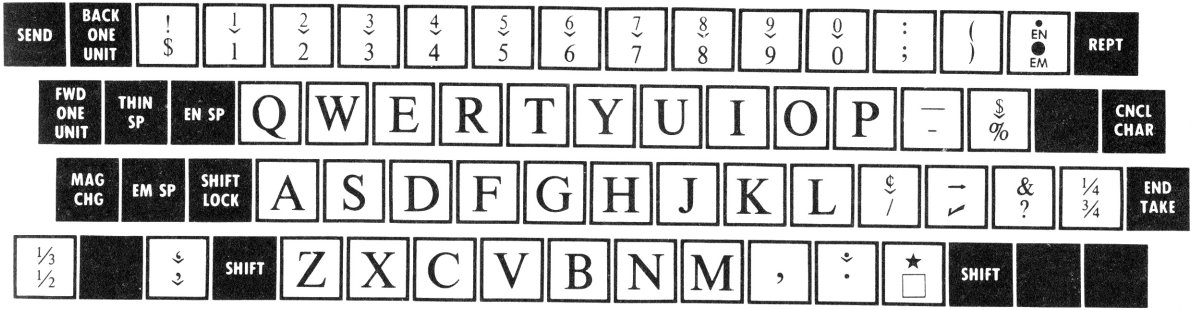


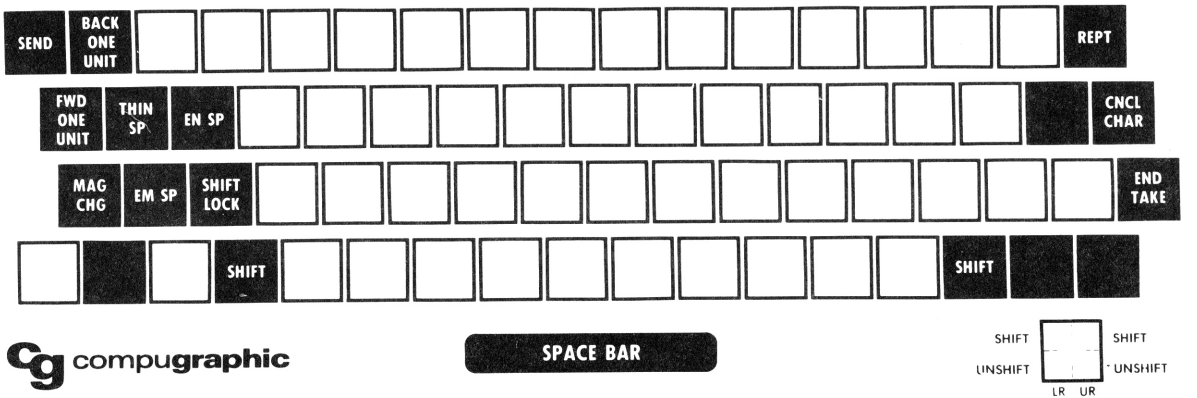
Ad complement 50



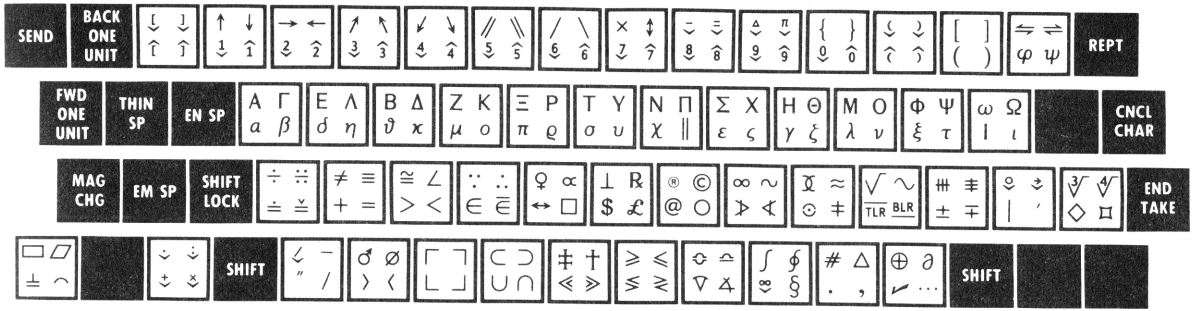
Ad complement 51

½ size typefaces




SEND
BACK ONE UNIT
REPT
FWD ONE UNIT
THIN SP
EN SP
CNCL CHAR
MAG CHG
EM SP
SHIFT LOCK
END TAKE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
SHIFT
UNSHIFT
UNSHIFT
LR
UR

Greek & Math complement 56



This layout applies to reverse typefaces only.

The "beginning" and "ending" wedges are for italic reverse typefaces and are always assigned a zero width value.

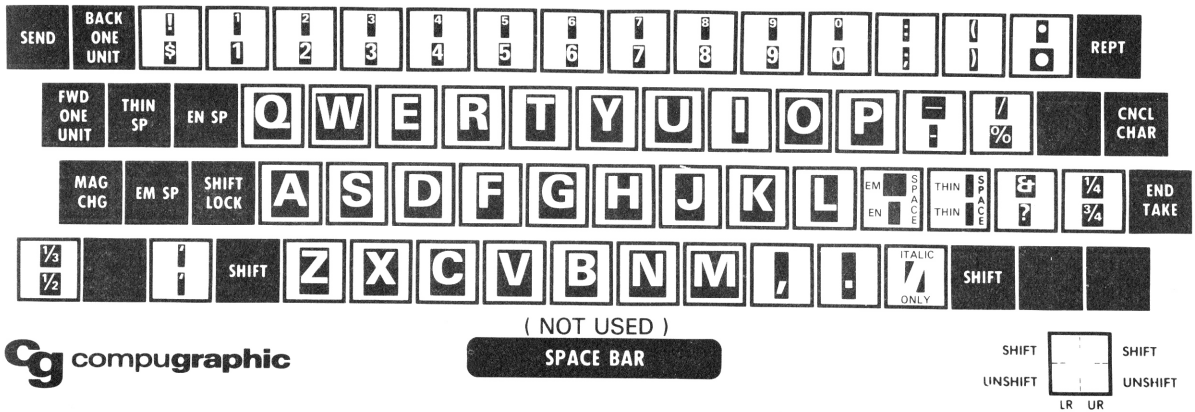
Letterspacing, kerning or character compensation is not recommended.

The space bar (word space), regular thin, en and em space will produce white space.

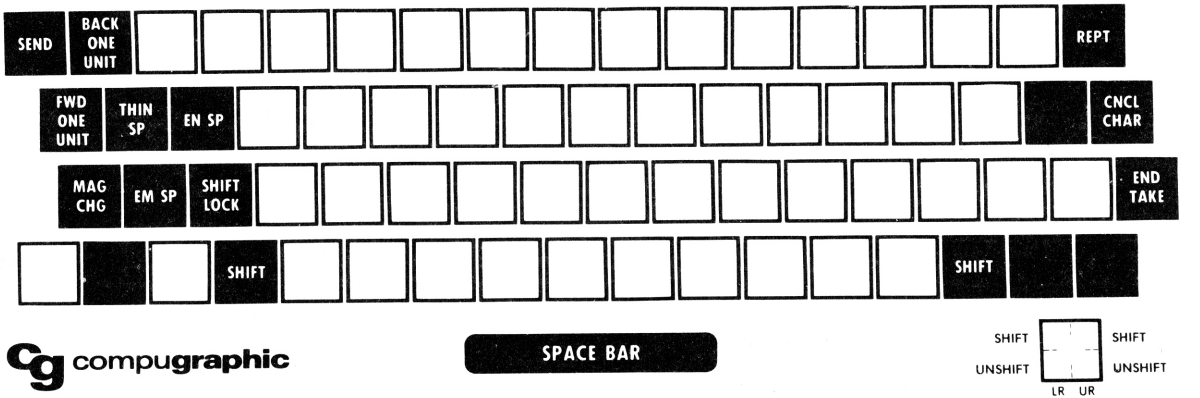
Reverse typefaces are not recommended for use at 14, 84, 96 or 120 pt.

Fixed spaces—refer to notes above and keytops to the right.

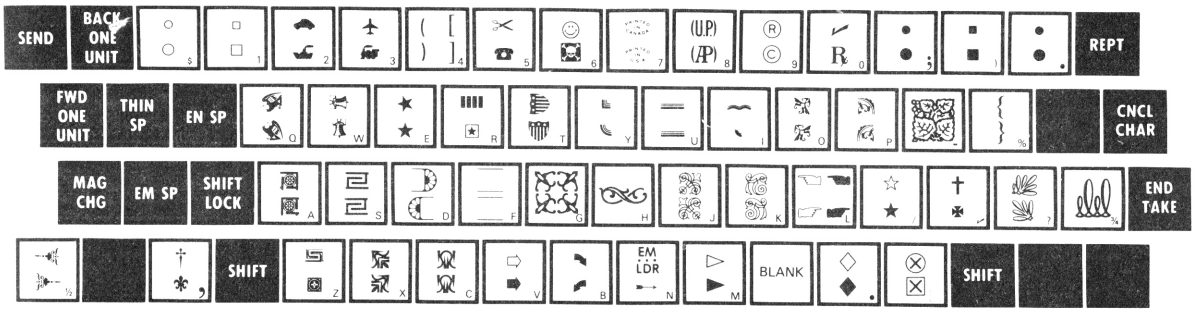
1—Reverse thin space
2—Reverse en space
3—Reverse em space
4—Reverse beginning wedge, italic typeface only
5—Reverse ending wedge, italic typeface only



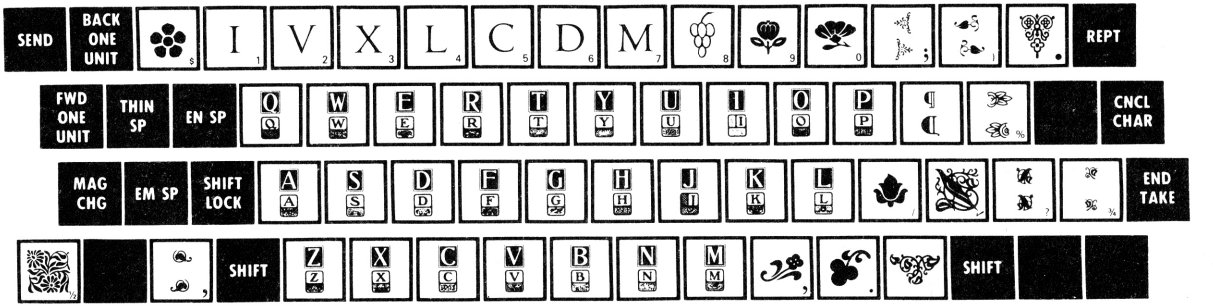
compugraphic


SEND
BACK ONE UNIT
REPT
FWD ONE UNIT
THIN SP
EN SP
CNCL CHAR
MAG CHG
EM SP
SHIFT LOCK
END TAKE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
SHIFT
UNSHIFT
UNSHIFT
LR
UR

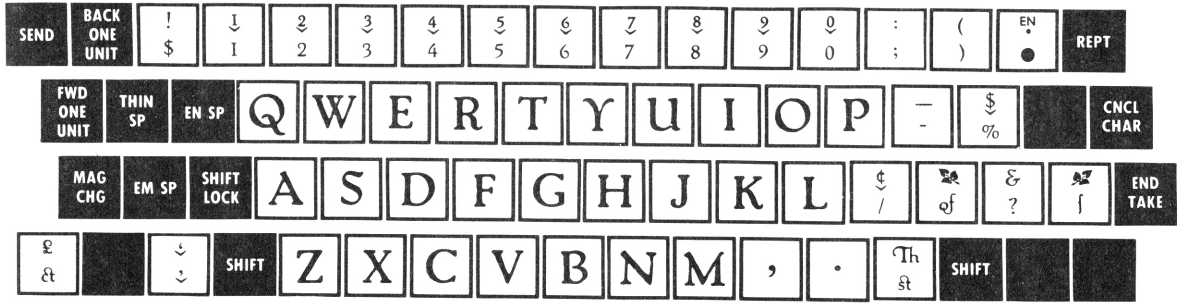
Border Symbols complement 60



Initial & Ornament complement 61

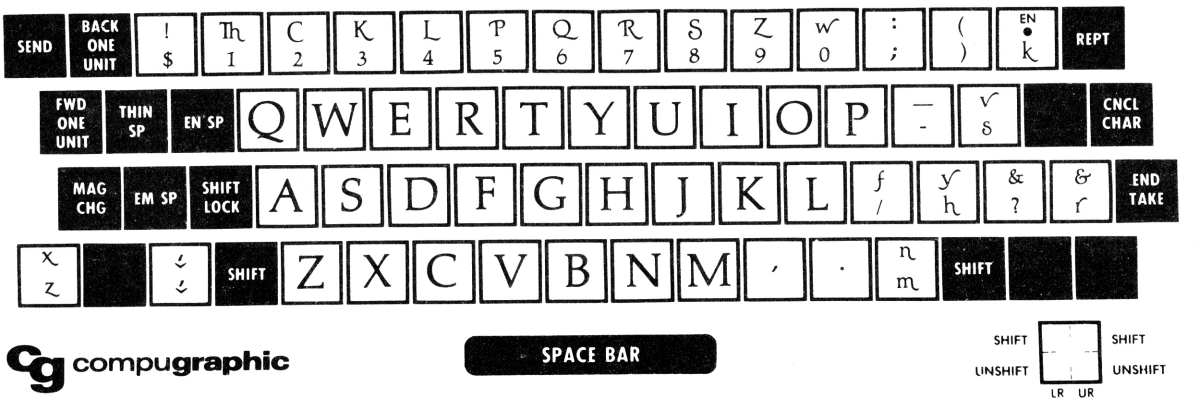


Antique Display complement 62



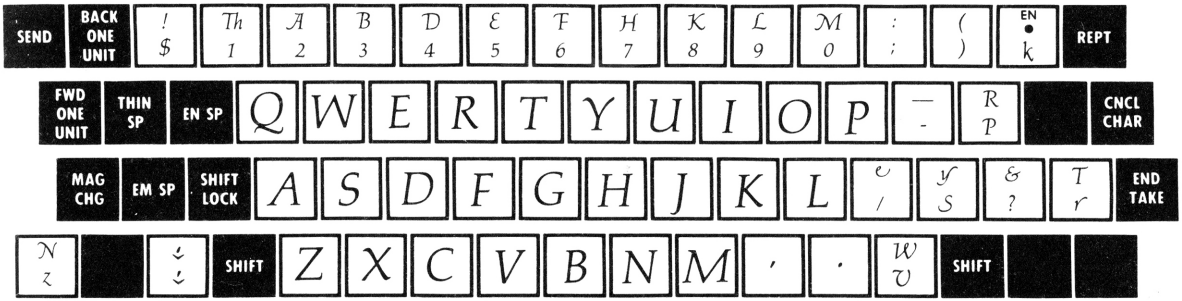
Swash & Alternate character complement 67

Paladium, Paladium Semibold



Swash & Alternate character complement 68

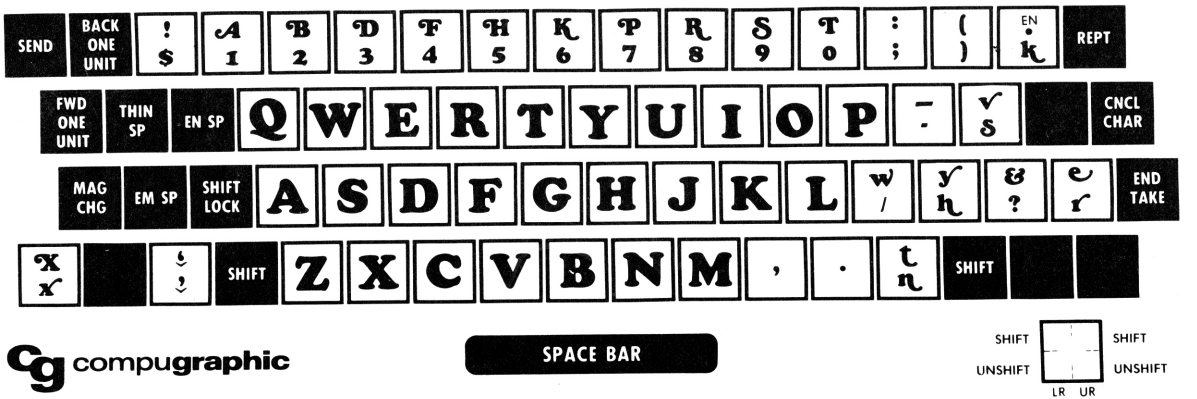
Paladium Italic



compugraphic

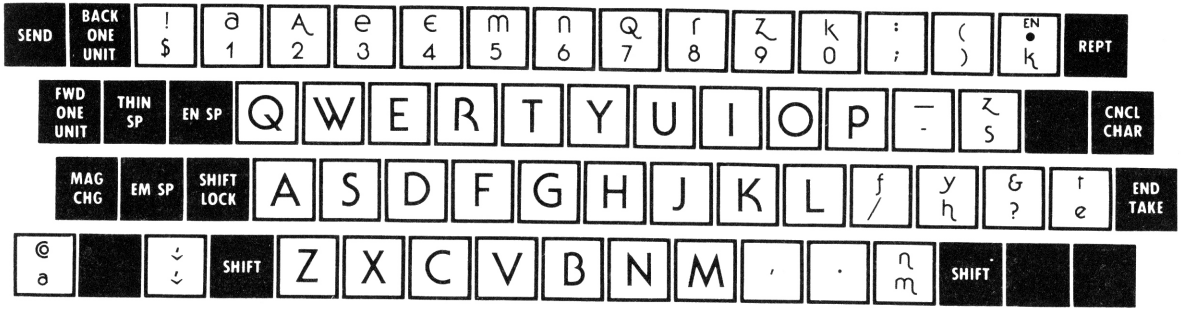
Swash & Alternate character complement 69

Cooper Black, Cooper Black Italic



Swash & Alternate character complement 70

Serif Gothic Regular, Bold, Extrabold, Heavy, Outline

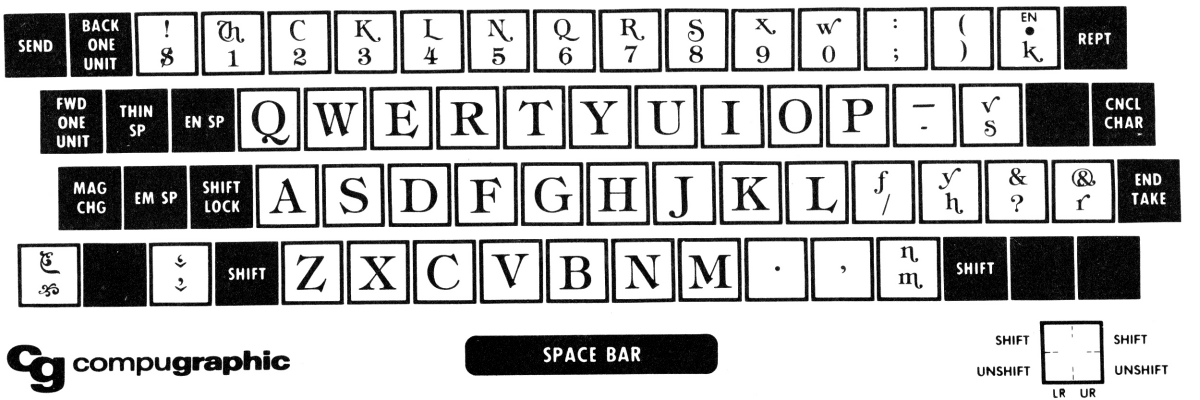


compugraphic

Swash & Alternate character complement 71

Tiffany Light, Medium, Demi

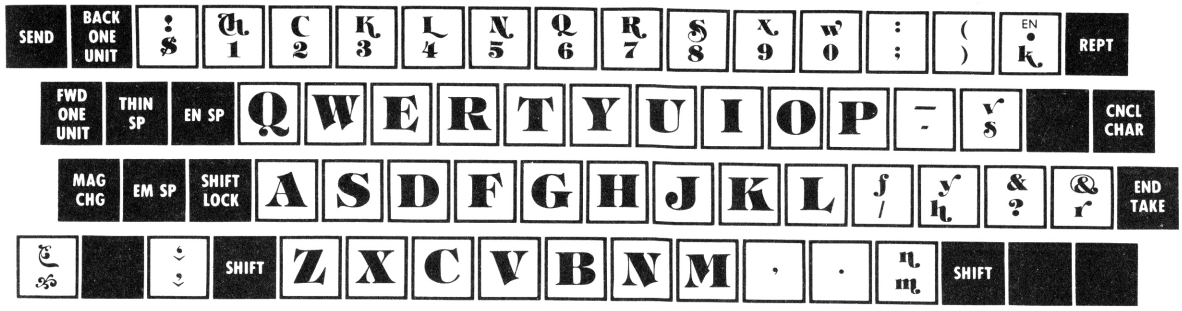
The piece swash ( ) is to be used with straight sided cap characters.



Swash & Alternate character complement 72

Tiffany Heavy

The piece swash ( ) is to be used with straight sided cap characters.



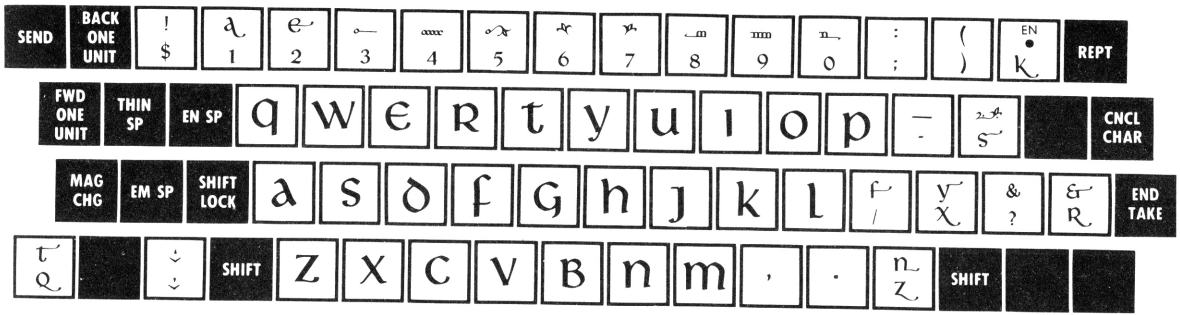
compugraphic

Characters in shift position keys 3 ( ), 4 ( ) and 5 ( ) are common connecting elements. ( )

Characters in shift position keys 8 (), 9 () and 0 () are common connecting elements. ()

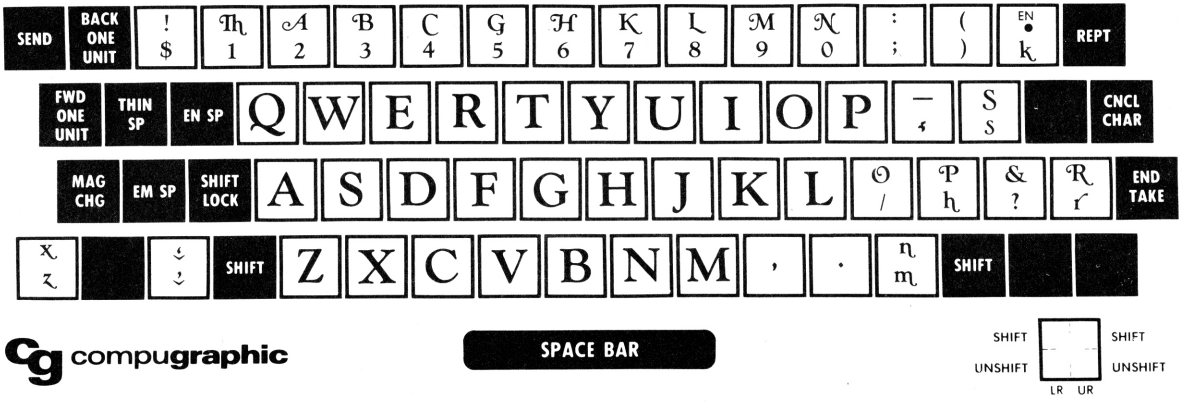
Swash & Alternate character complement 73

Libra



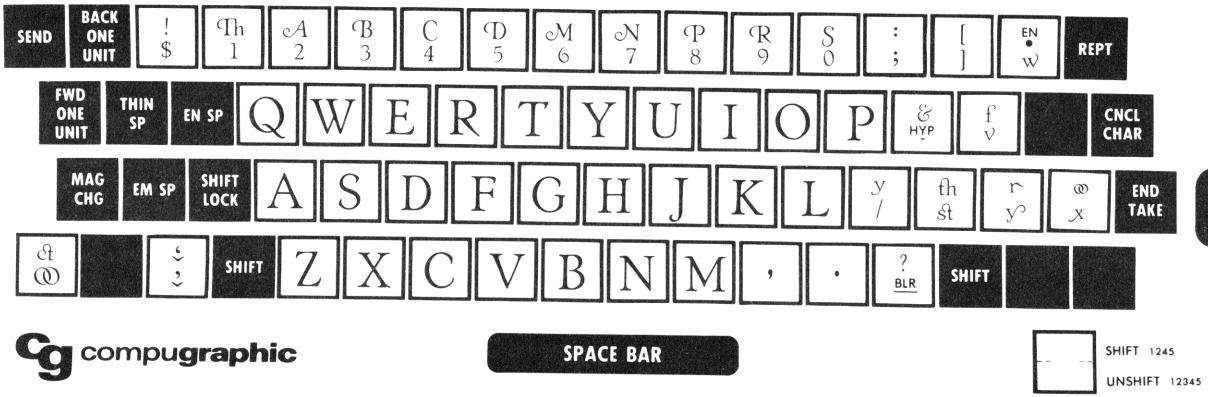
Swash & Alternate character complement 74

Goudy Bold, Bold Italic

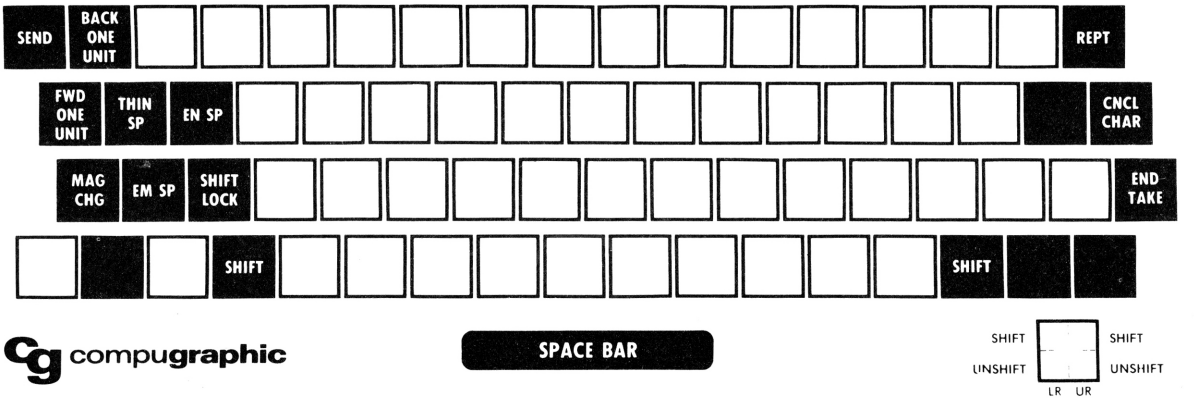


Swash & Alternate character complement 75

Artcraft Light, Light Italic, Bold

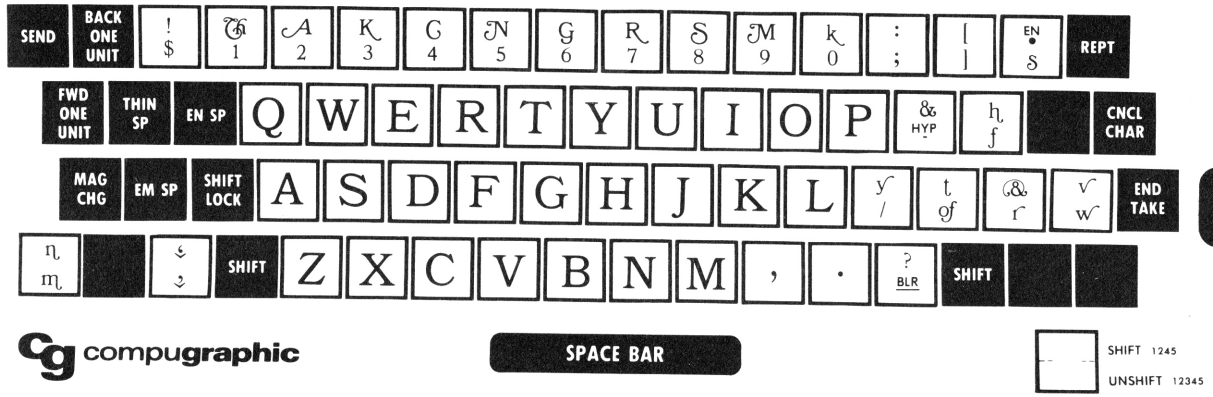


compugraphic


SEND
BACK ONE UNIT
REPT
FWD ONE UNIT
THIN SP
EN SP
CNCL CHAR
MAG CHG
EM SP
SHIFT LOCK
END TAKE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
SHIFT
UNSHIFT
UNSHIFT
LR
UR

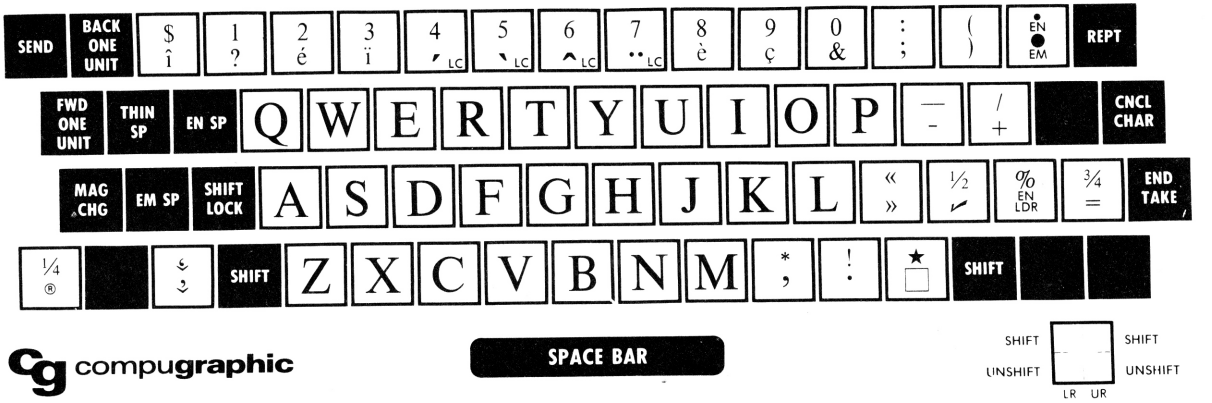
Swash & Alternate character complement 76

Bookman, Bookman Italic



French Canadian complement 307

Floating accent machines only



SEND
BACK ONE UNIT
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REPT
FWD ONE UNIT
THIN SP
EN SP
Й Ц У К Е Н Г Ш Щ З Х Ъ
CNCL CHAR
MAG CHG
EM SP
SHIFT LOCK
Ф Ы В А П Р О Л Д Ж Э
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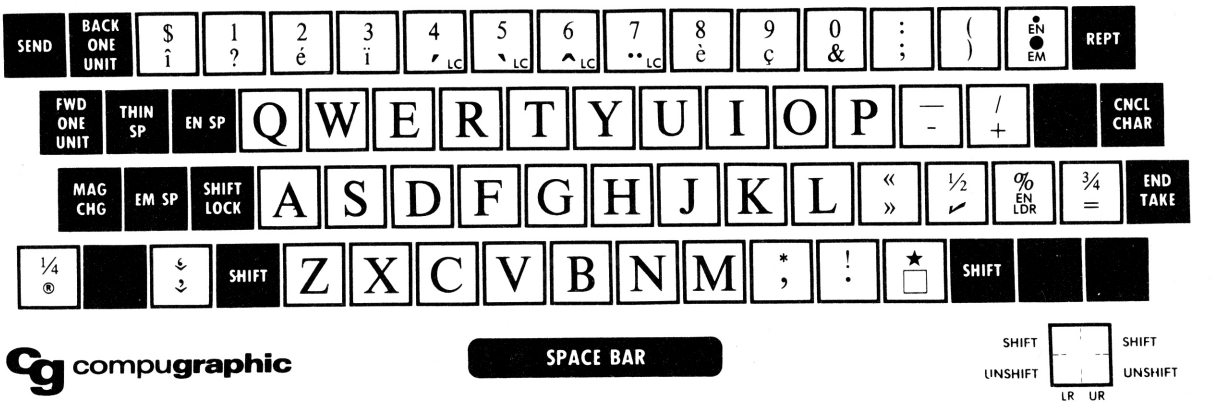
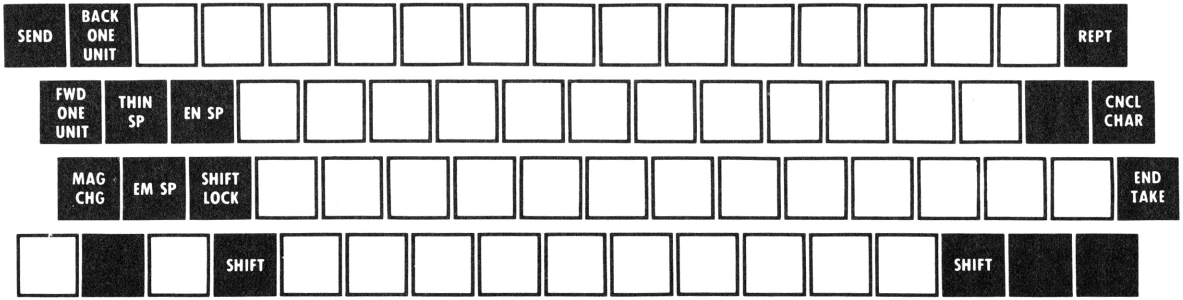
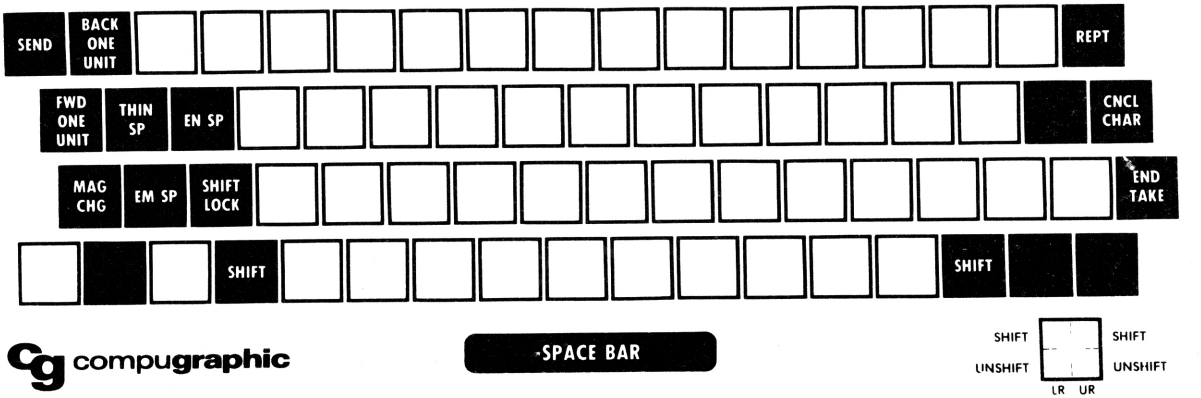
END TAKE
½ ¾ ¼ ⅛
DG
SHIFT
Я Ч С М И Т Ь Б Ю Ё
SHIFT
compugraphic
SPACE BAR
SHIFT
UNSHIFT
SHIFT
UNSHIFT
LR UR

French Canadian complement 337

½ size typefaces

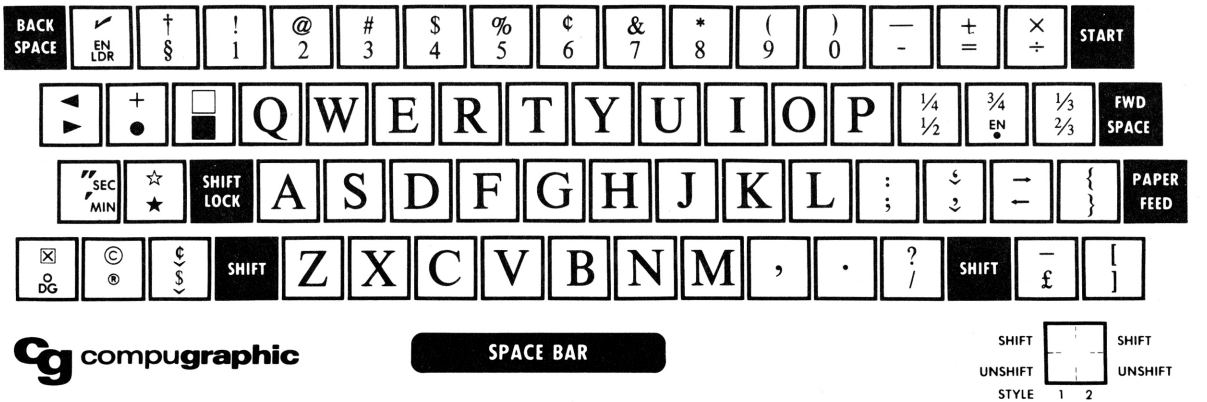



SEND
BACK ONE UNIT
REPT
FWD ONE UNIT
THIN SP
EN SP
CNCL CHAR
MAG CHG
EM SP
SHIFT LOCK
END TAKE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
SHIFT
UNSHIFT
UNSHIFT
LR
UR


SEND
BACK ONE UNIT
REPT
FWD ONE UNIT
THIN SP
EN SP
CNCL CHAR
MAG CHG
EM SP
SHIFT LOCK
END TAKE
SHIFT
SHIFT
compugraphic
SPACE BAR
SHIFT
UNSHIFT
SHIFT
UNSHIFT
LR
UR

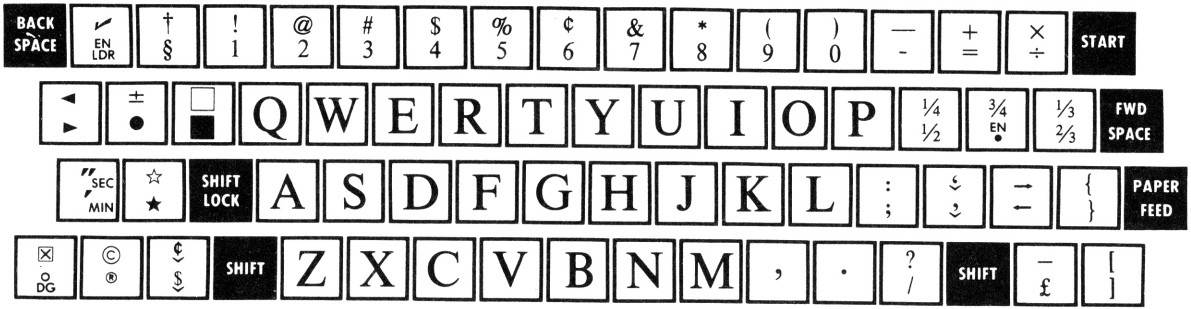
Display complement 380. 274
Display complement 381 (Cap only) 275
Reverse complement 382 277
Text complement 625 278
Copper complement 629. 279
Copper complement 631. 280
Text complement 632 281
Multilingual complement 633 282
Copper complement 634. 283
Blank keyboard 284
Blank keyboard 285
Blank keyboard 286

Display complement 380



Display complement 381

Cap only



This layout applies to reverse typefaces only.

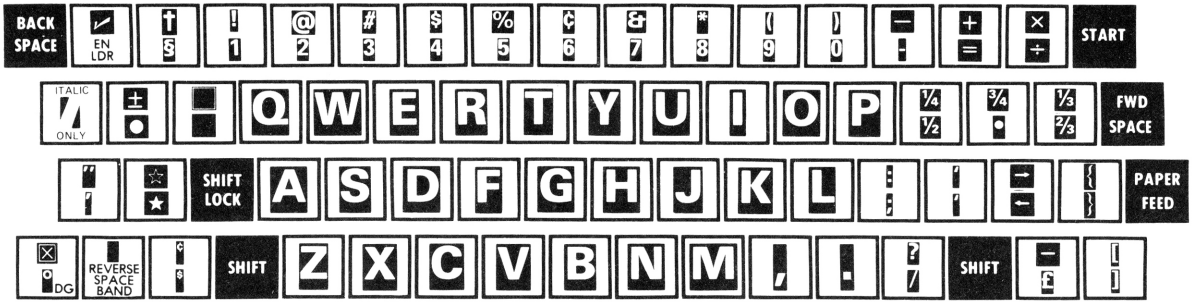
The "beginning" and "ending" wedges are for italic reverse typefaces and are always assigned a zero width value.

The use of the back and forward space keys is not recommended.

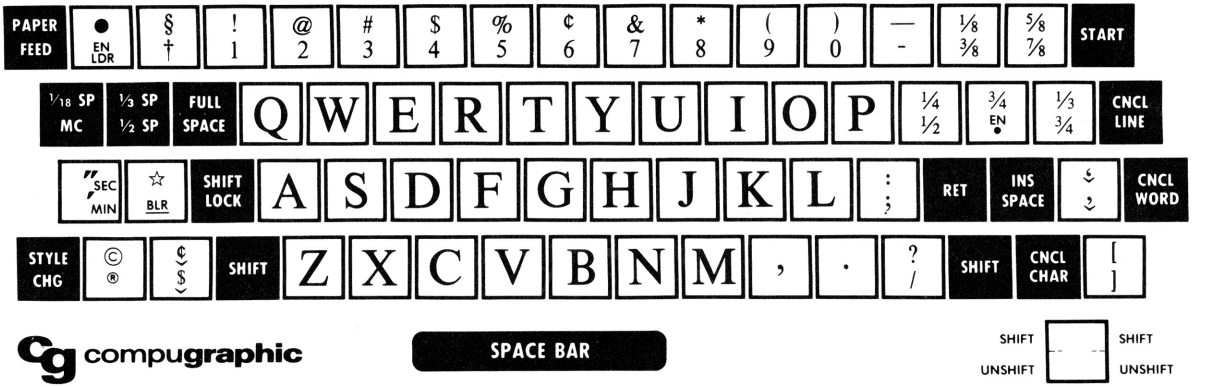
The space bar (word space) will produce white space only.

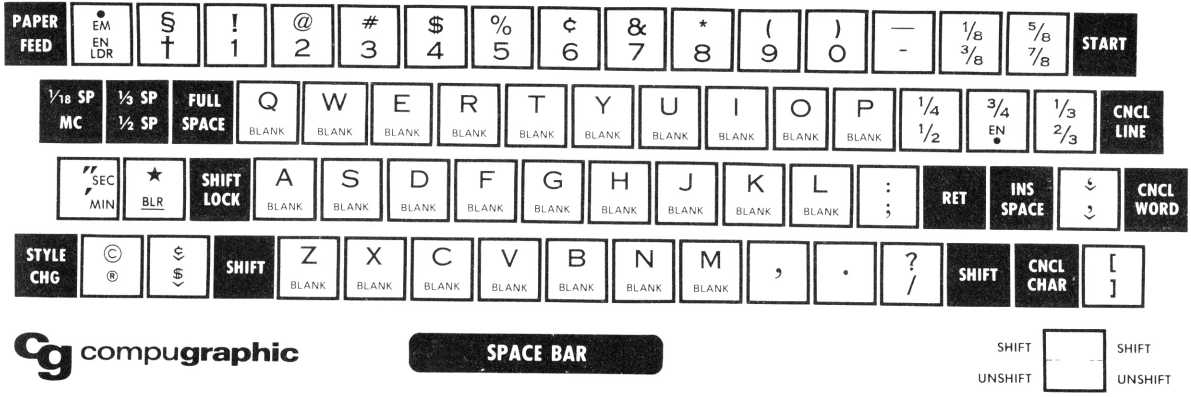
Fixed spaces—refer to notes above and keytops to the right.

1—Reverse space band (shift/unshift)
2—Reverse beginning wedge, italic typefaces only
3—Reverse ending wedge, italic typefaces only


BACK SPACE
EN LDR
START
ITALIC ONLY
FWD SPACE
SHIFT LOCK
PAPER FEED
DG
REVERSE SPACE BAND
SHIFT
SHIFT
(NOT USED)
SPACE BAR
compugraphic
SHIFT
UNSHIFT
STYLE 1 2
SHIFT
UNSHIFT

Text complement 625




PAPER FEED
EM
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LDR
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)
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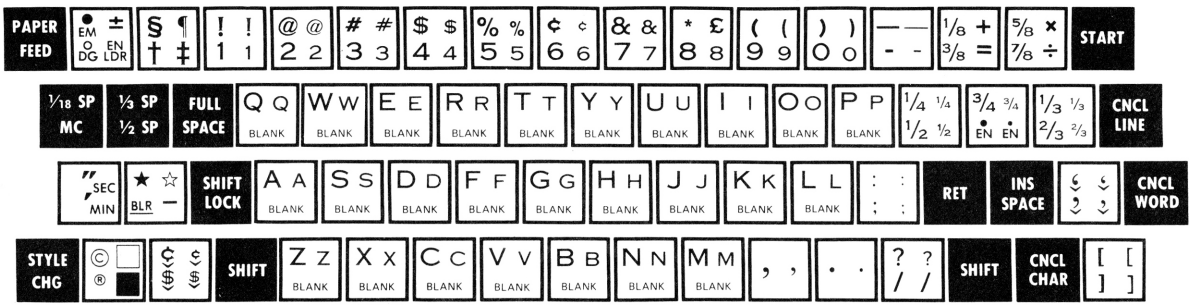
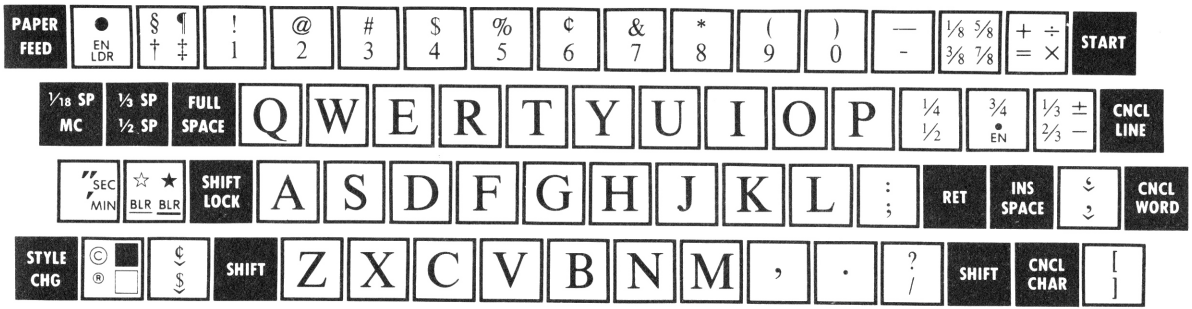
-
1/8
3/8
5/8
7/8
START
1/18 SP
MC
1/3 SP
1/2 SP
FULL SPACE
Q BLANK
W BLANK
E BLANK
R BLANK
T BLANK
Y BLANK
U BLANK
I BLANK
O BLANK
P BLANK
1/4
1/2
3/4
EN
1/3
2/3
CNCL LINE
SEC
MIN
★
BLR
SHIFT LOCK
A BLANK
S BLANK
D BLANK
F BLANK
G BLANK
H BLANK
J BLANK
K BLANK
L BLANK
:
;
RET
INS SPACE
CNCL WORD
STYLE CHG
©
®
$
SHIFT
Z BLANK
X BLANK
C BLANK
V BLANK
B BLANK
N BLANK
M BLANK
,
.
?
/
SHIFT
CNCL CHAR
[
]
compugraphic
SPACE BAR
SHIFT
UNSHIFT
SHIFT
UNSHIFT

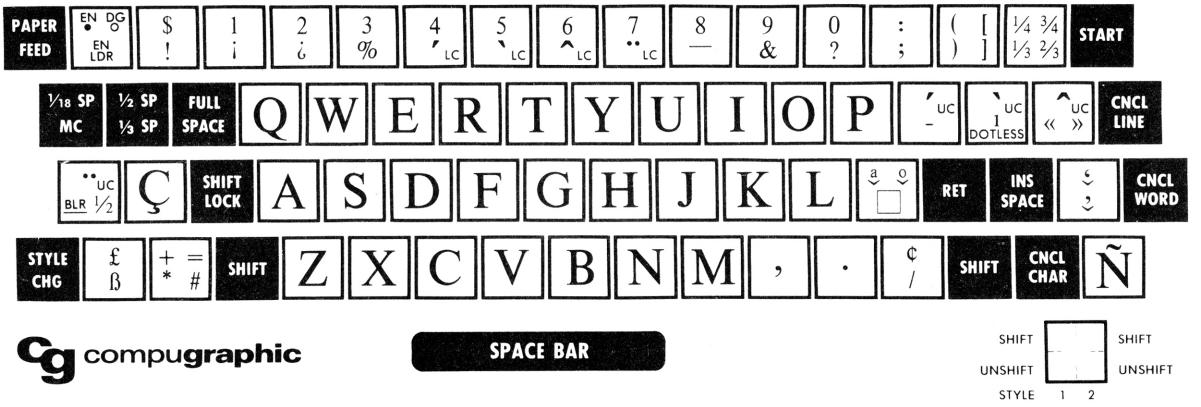
Copper complement 631

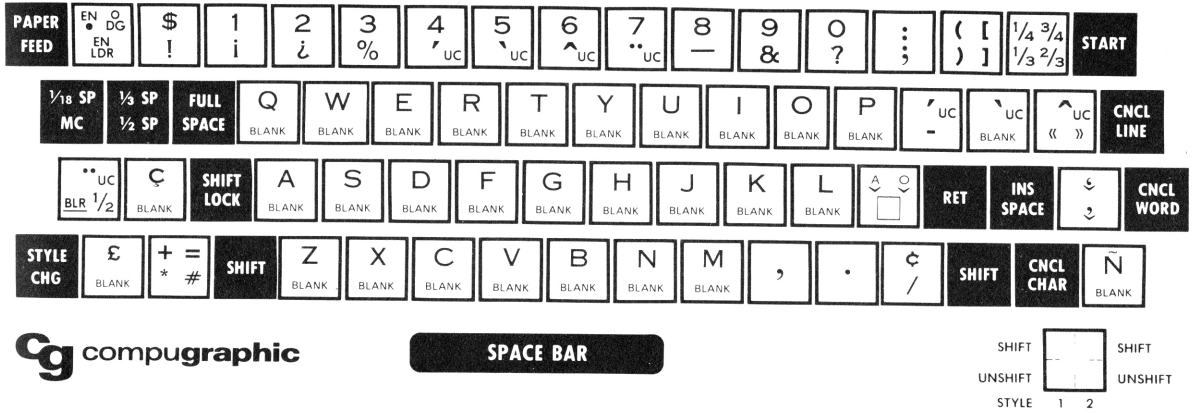


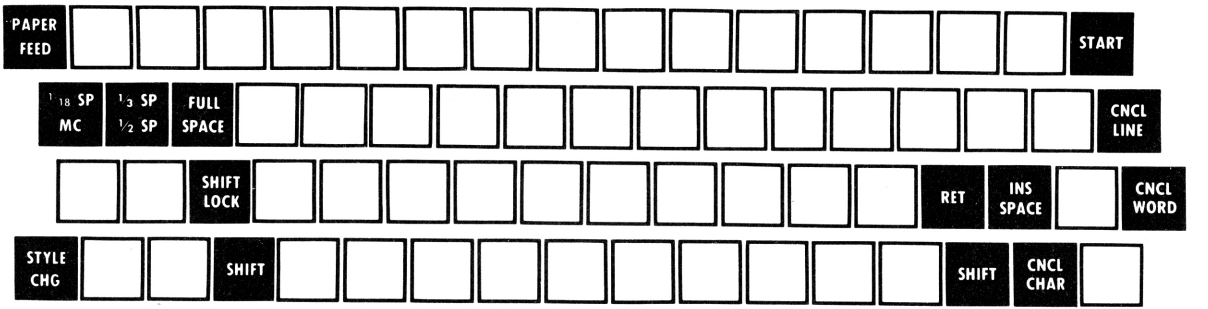
compugraphic

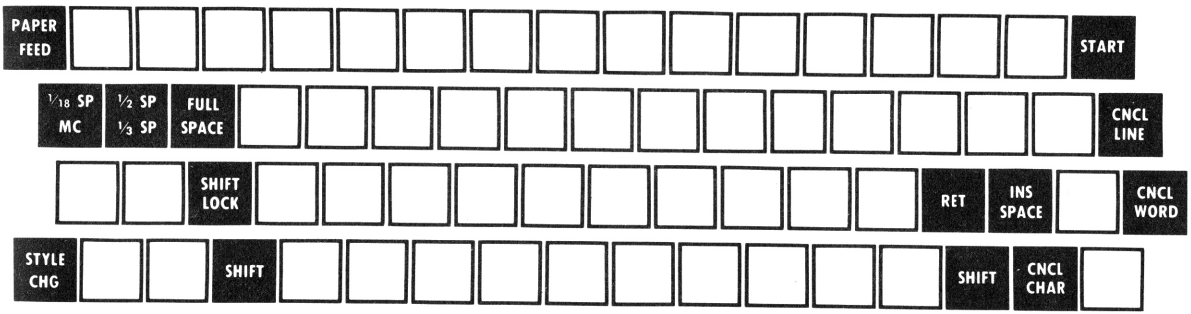

PAPER FEED
EN LDR
§ ¶ † ‡
! 1
@ 2
# 3
$ 4
% 5
¢ 6
& 7
* 8
(9
) 0
— -
1/8 5/8 3/8 7/8
+ ÷ = ×
START
1/18 SP MC
1/3 SP 1/2 SP
FULL SPACE
Q W E R T Y U I O P
1/4 1/2
3/4 EN
1/3 ± 2/3 —
CNCL LINE
SEC MIN
☆ ★ BLR BLR
SHIFT LOCK
A S D F G H J K L
: ;
RET
INS SPACE
CNCL WORD
STYLE CHG
© ® ■ □
¢ $
SHIFT
Z X C V B N M , . ? /
SHIFT
CNCL CHAR
[ ]
compugraphic
SPACE BAR
SHIFT
UNSHIFT
STYLE 1 2
SHIFT
UNSHIFT

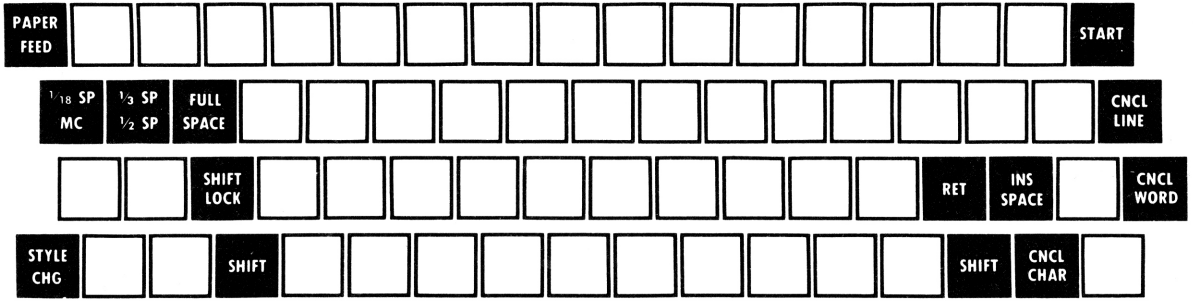
Multilingual complement 633




PAPER FEED
EN O DG EN LDR
$!
1 ¡
2 ¿
3 %
4 ′UC
5 ˋUC
6 ^UC
7 ¨UC
8 —
9 &
0 ?
: ;
([ )]
1/4 3/4 1/3 2/3
START
1/18 SP MC
1/3 SP 1/2 SP
FULL SPACE
Q W E R T Y U I O P
′UC -
ˋUC BLANK
^UC « »
CNCL LINE
¨UC BLR 1/2
Ç BLANK
SHIFT LOCK
A S D F G H J K L
RET
INS SPACE
CNCL WORD
STYLE CHG
£ BLANK
+ = * #
SHIFT
Z X C V B N M , . ¿ /
SHIFT
CNCL CHAR
Ñ BLANK
compugraphic
SPACE BAR
SHIFT
UNSHIFT
STYLE 1 2
SHIFT
UNSHIFT


PAPER FEED
START
1/18 SP MC
1/3 SP 1/2 SP
FULL SPACE
CNCL LINE
SHIFT LOCK
RET
INS SPACE
CNCL WORD
STYLE CHG
SHIFT
SHIFT
CNCL CHAR
compugraphic
SPACE BAR
SHIFT
UNSHIFT
STYLE 1 2
SHIFT
UNSHIFT


PAPER FEED
START
1/18 SP MC
1/2 SP
1/3 SP
FULL SPACE
CNCL LINE
SHIFT LOCK
RET
INS SPACE
CNCL WORD
STYLE CHG
SHIFT
SHIFT
CNCL CHAR
compugraphic
SPACE BAR
SHIFT
SHIFT
UNSHIFT
UNSHIFT
STYLE
1
2


PAPER FEED
START
1/18 SP MC
1/3 SP
1/2 SP
FULL SPACE
CNCL LINE
SHIFT LOCK
RET
INS SPACE
CNCL WORD
STYLE CHG
SHIFT
SHIFT
CNCL CHAR
compugraphic
SPACE BAR
SHIFT
UNSHIFT
STYLE 1 2
SHIFT
UNSHIFT

Newspaper Wire Service complement 1
TTS typefaces only 288
Newspaper complement 3 289
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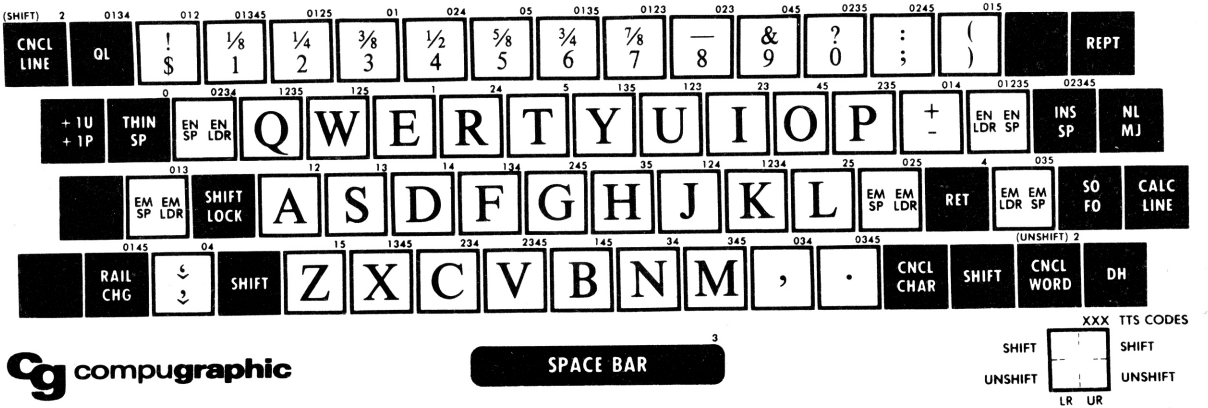
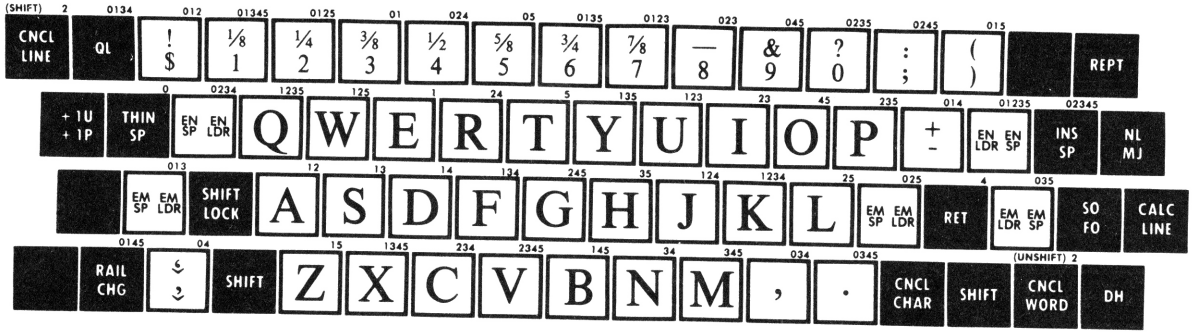
Blank keyboard 324

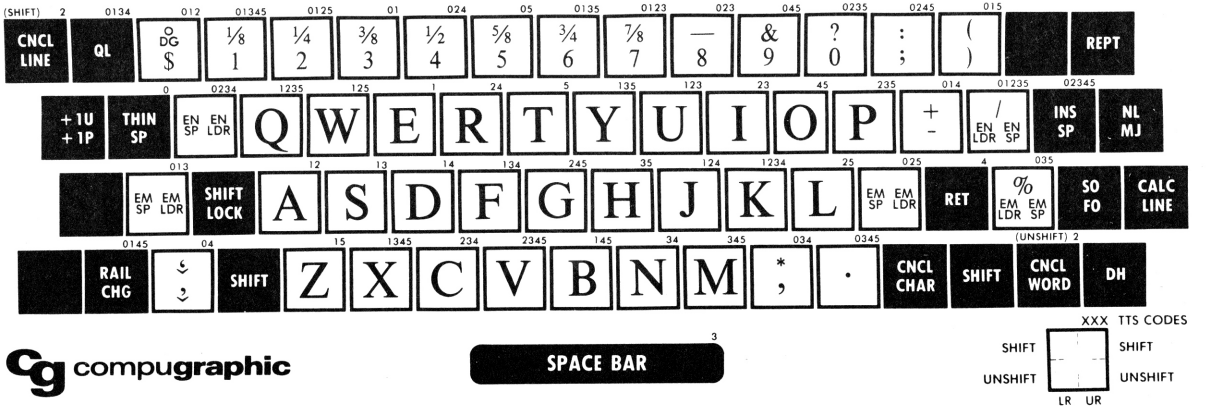
Newspaper Wire Service complement 1

TTS typefaces only




(SHIFT) 2
CNCL LINE
QL
! $
1/8 1
1/4 2
3/8 3
1/2 4
5/8 5
3/4 6
7/8 7
— 8
& 9
? 0
: ;
( )
REPT
+1U +1P
THIN SP
EN SP
EN LDR
Q W E R T Y U I O P
+ -
EN LDR
SP
INS SP
NL MJ
EM SP
EM LDR
SHIFT LOCK
A S D F G H J K L
EM SP
EM LDR
RET
EM LDR
EM SP
SO FO
CALC LINE
RAIL CHG
SHIFT
Z X C V B N M , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
compugraphic
SPACE BAR
3
XXX TTS CODES
SHIFT
SHIFT
UNSHIFT
UNSHIFT
LR
UR

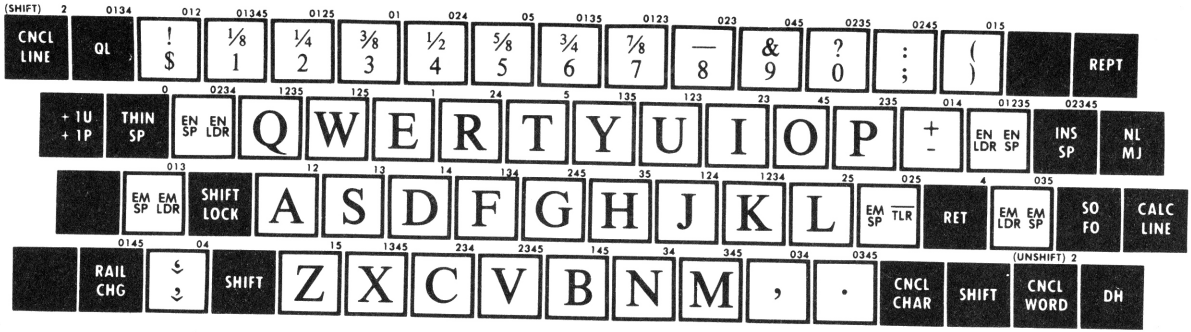
Legal complement 7



compugraphic

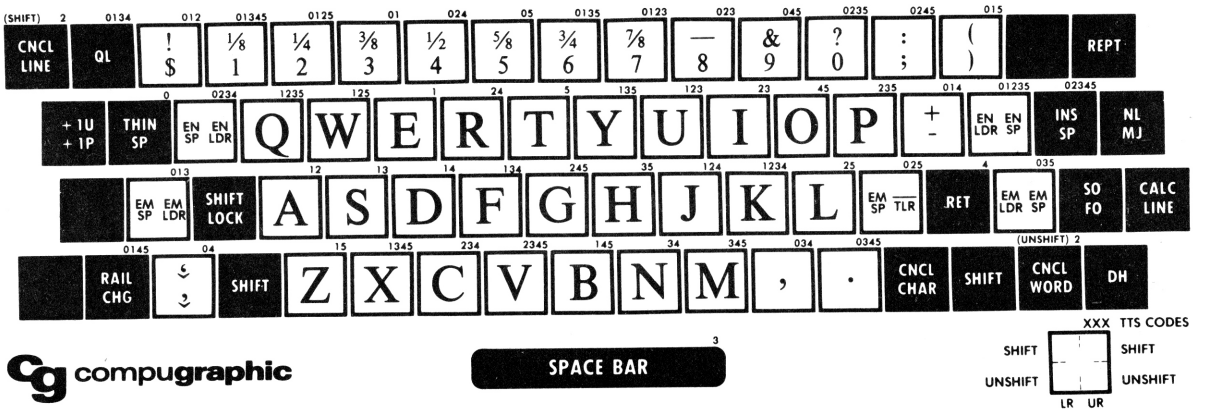
Newspaper Wire Service Cut-Off Rule complement 8

TTS typefaces only



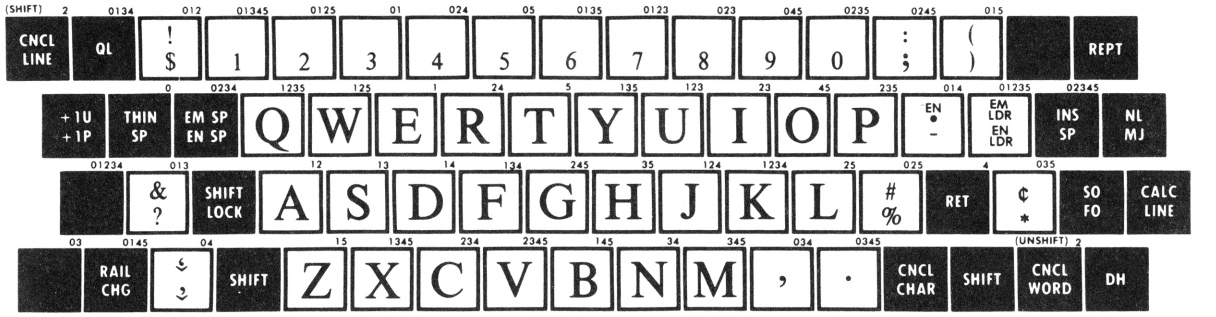
compugraphic

Newspaper Cut-Off Rule complement 10

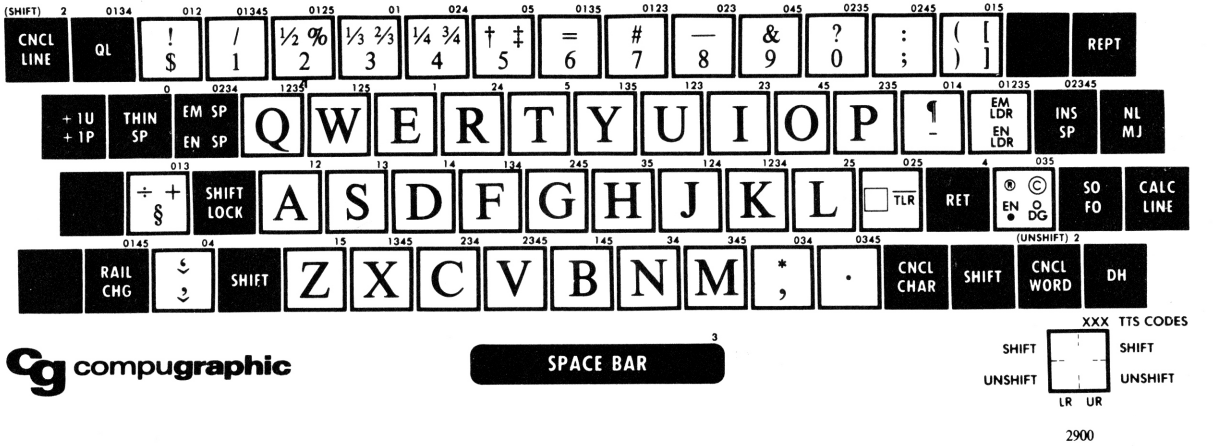


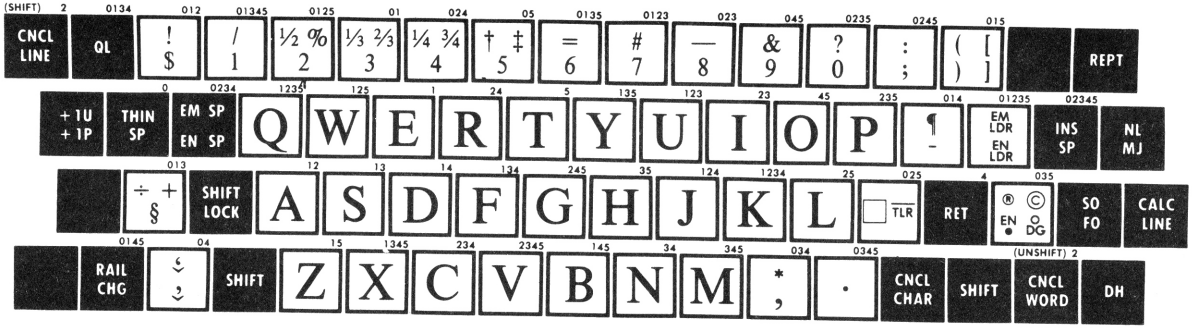
compugraphic

Dom Casual Text complement 11

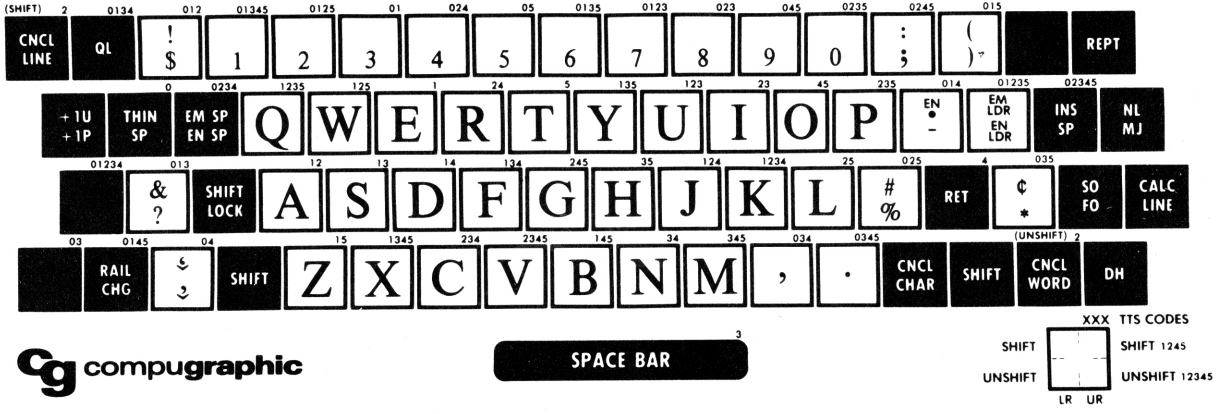


Book & Commercial complement 12

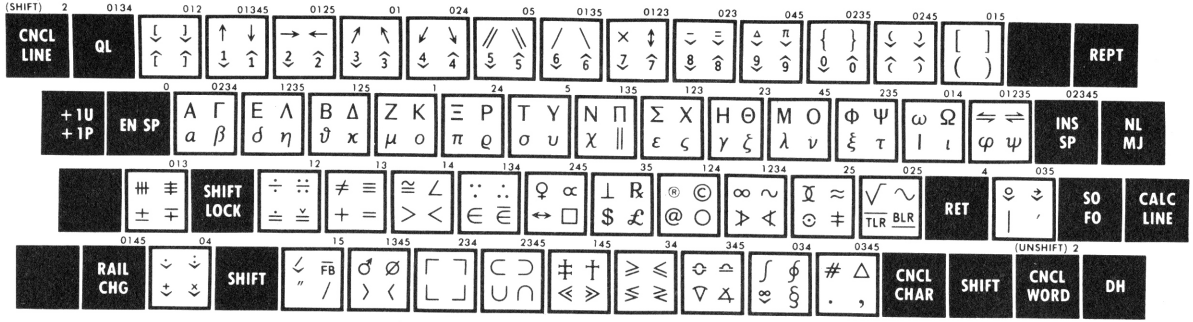



(SHIFT) 2
CNCL LINE
QL
! $
/ 1
½ % 2
⅓ ⅔ 3
¼ ¾ 4
† ‡ 5
= 6
7
— 8
& 9
? 0
: ;
([ )]
REPT
+ 1U + 1P
THIN SP
EM SP EN SP
Q W E R T Y U I O P
¶ -
EM LDR EN LDR
INS SP
NL MJ
÷ + §
SHIFT LOCK
A S D F G H J K L
TLR
RET
® EN
© DG
SO FO
CALC LINE
RAIL CHG
SHIFT
Z X C V B N M
* ,
.
CNCL CHAR
SHIFT
CNCL WORD
(UNSHIFT) 2
DH
compugraphic
SPACE BAR
3
XXX TTS CODES
SHIFT
SHIFT
UNSHIFT
UNSHIFT
LR UR

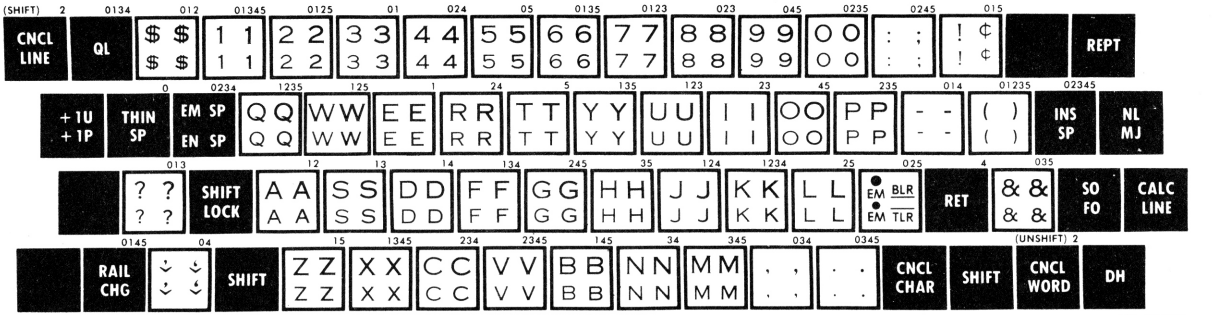
Limited Text complement 14

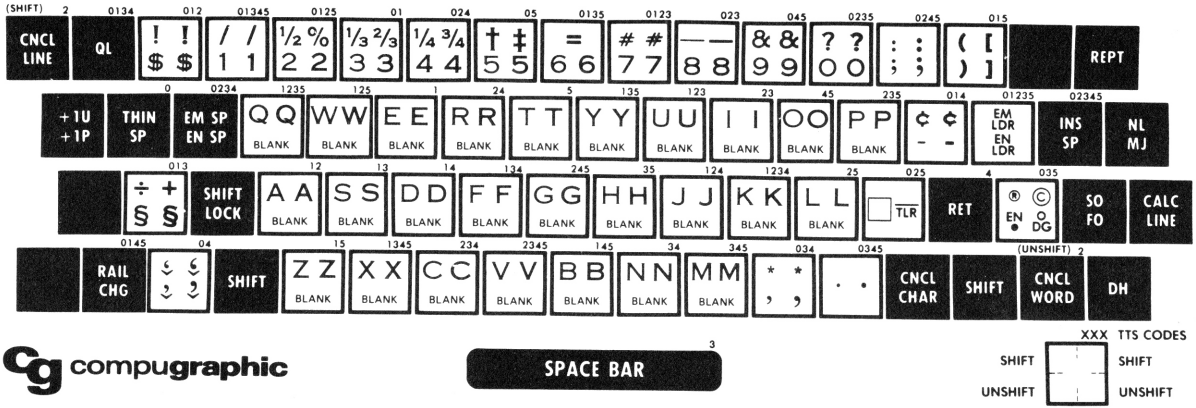


Greek & Math complement 15



Copperplate complement 16

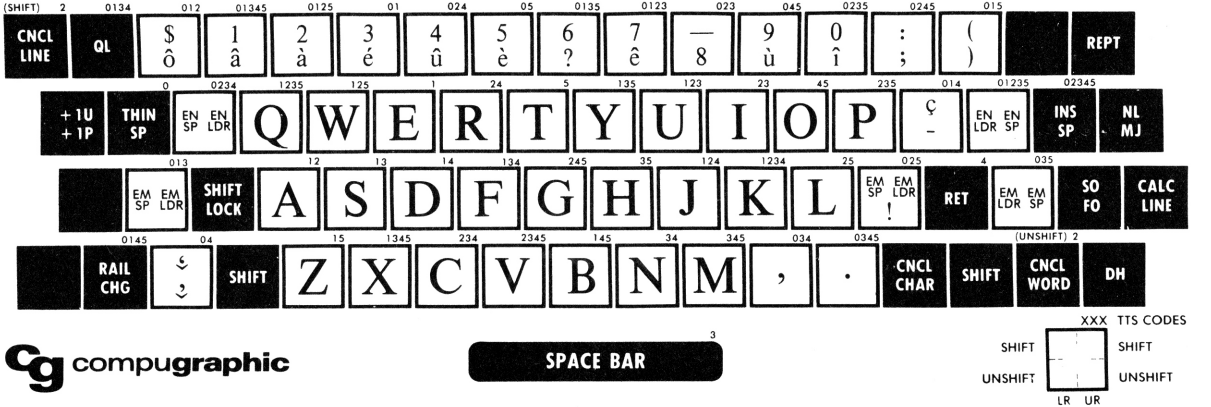




compugraphic

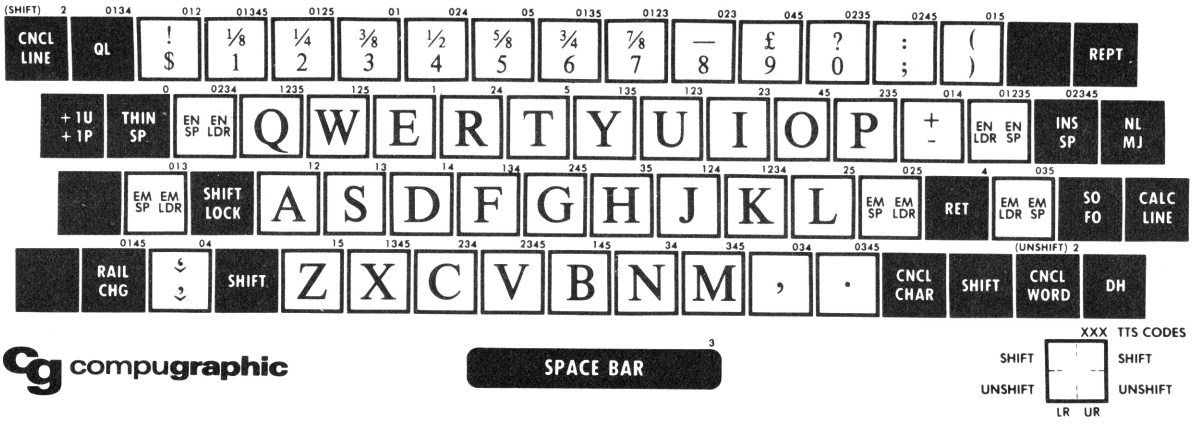
French Canadian complement 109

Formerly FC #1

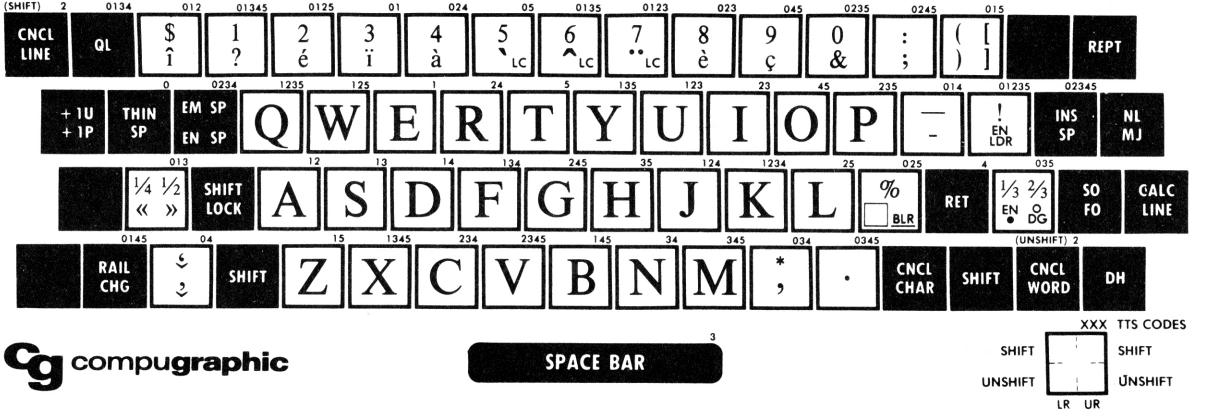


Canadian Newspaper Wire Service complement 117

English



French Canadian Piece Accent complement 118



MICR complement 600

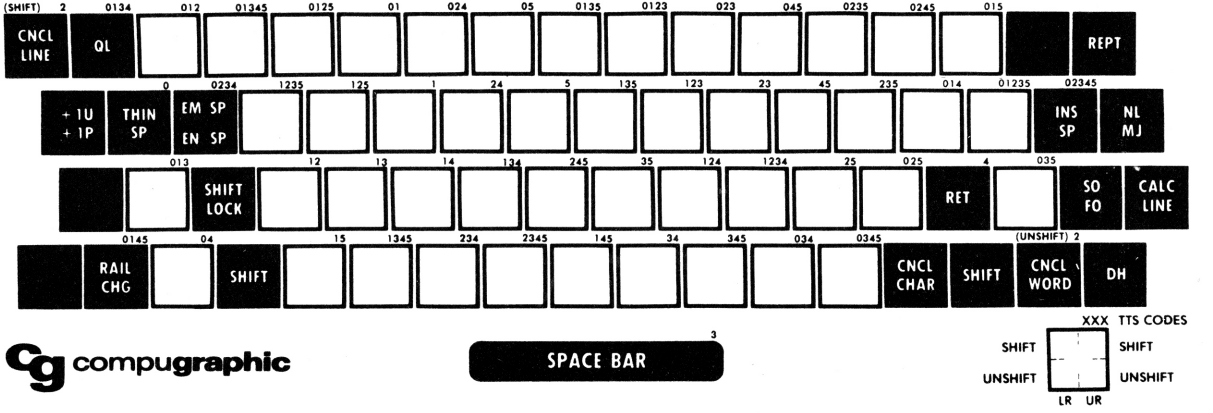
With standard typefaces

When using set gears/pulleys lower than 9 set, additional units must be added to MICR characters:

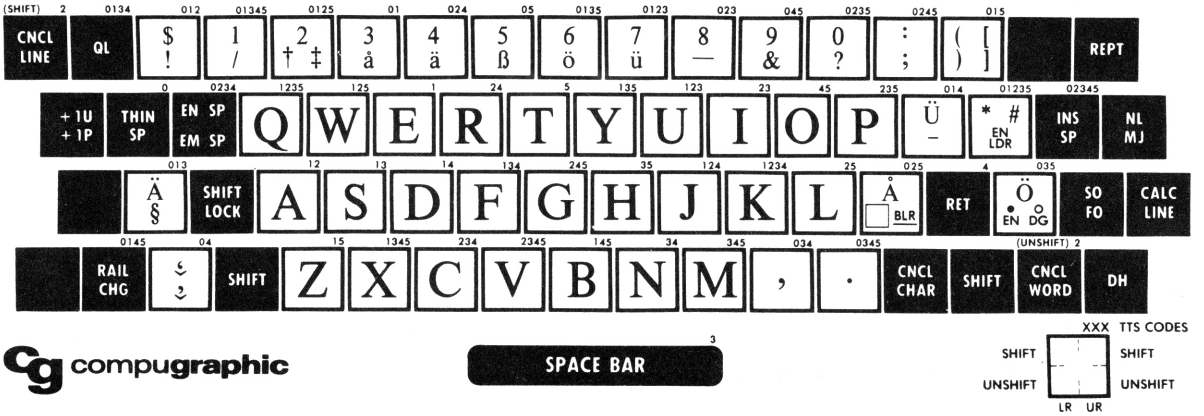
6 set—9 units/6.5 set—7 units/7 set—4 units/7.5 set—3 units/8 set—2 units/8.5 set—1 unit.

Justification, kerning or letterspacing (only as specified) is not recommended.

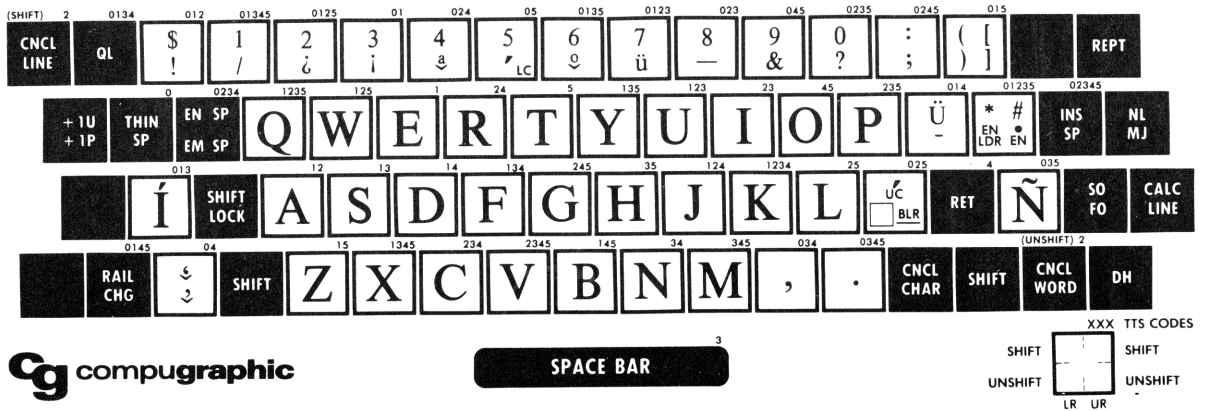
compugraphic

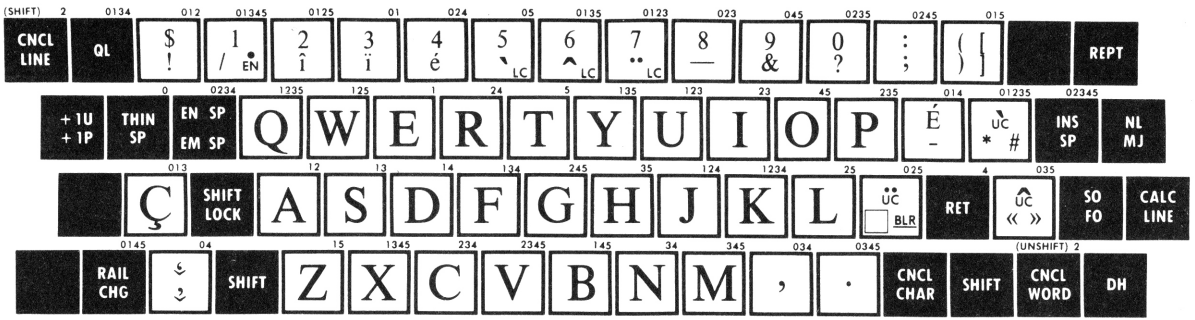


compugraphic

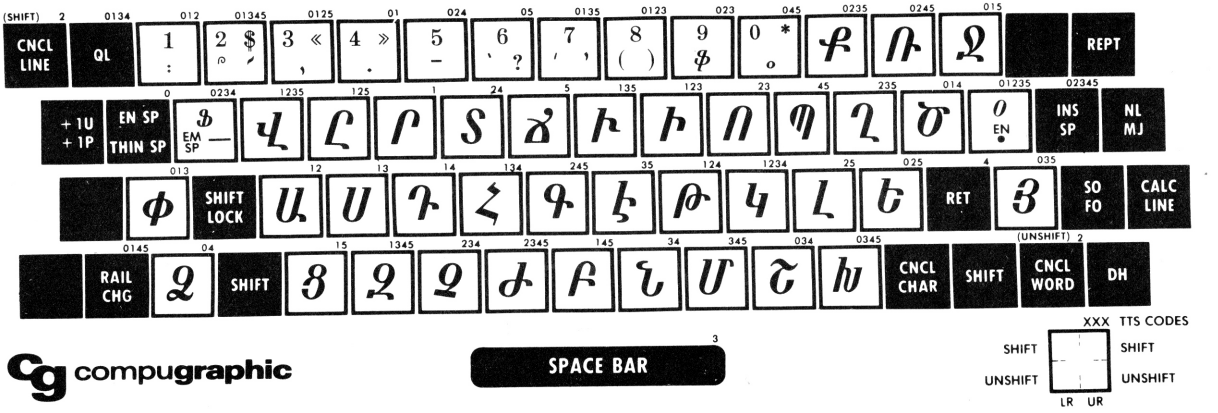

(SHIFT) 2
CNCL LINE
QL
$!
1 /
2 † ‡
3 å
4 ä
5 ß
6 ö
7 ü
8 —
9 &
0 ?
: ;
([
)]
REPT
+1U +1P
THIN SP
EN SP
EM SP
Q W E R T Y U I O P
Ü –
* # EN LDR
INS SP
NL MJ
Ä §
SHIFT LOCK
A S D F G H J K L
Å BLR
RET
Ö EN DG
SO FO
CALC LINE
RAIL CHG
SHIFT
Z X C V B N M , .
CNCL CHAR
SHIFT
CNCL WORD
(UNSHIFT) 2
DH
compugraphic
SPACE BAR
3
XXX TTS CODES
SHIFT
UNSHIFT
SHIFT
UNSHIFT
LR UR

Spanish complement 604



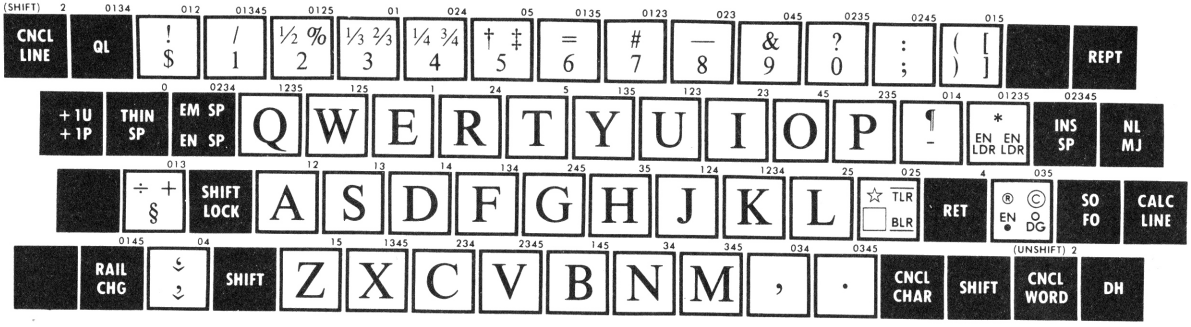

(SHIFT) 2
CNCL LINE
QL
REPT
+ 1U + 1P
THIN SP
EN SP
EM SP
INS SP
NL MJ
SHIFT LOCK
RET
SO FO
CALC LINE
RAIL CHG
SHIFT
CNCL CHAR
SHIFT
CNCL WORD
(UNSHIFT) 2
DH
BLR
LC
compugraphic
SPACE BAR
3
XXX TTS CODES
SHIFT
SHIFT
UNSHIFT
UNSHIFT
LR UR

Armenian complement 606



Book & Commercial complement 607

Formerly BC3

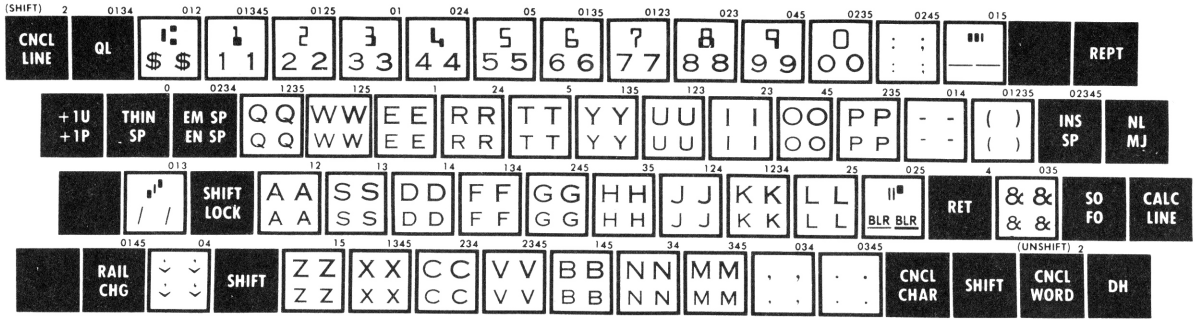


compugraphic

When using set gears/pulleys lower than 9 set, additional units must be added to MICR characters: 6 set—9 units/6.5 set—7 units/7 set—4 units/7.5 set—3 units/8 set—2 units/8.5 set—1 unit. Justification, kerning or letterspacing (only as specified) is not recommended.

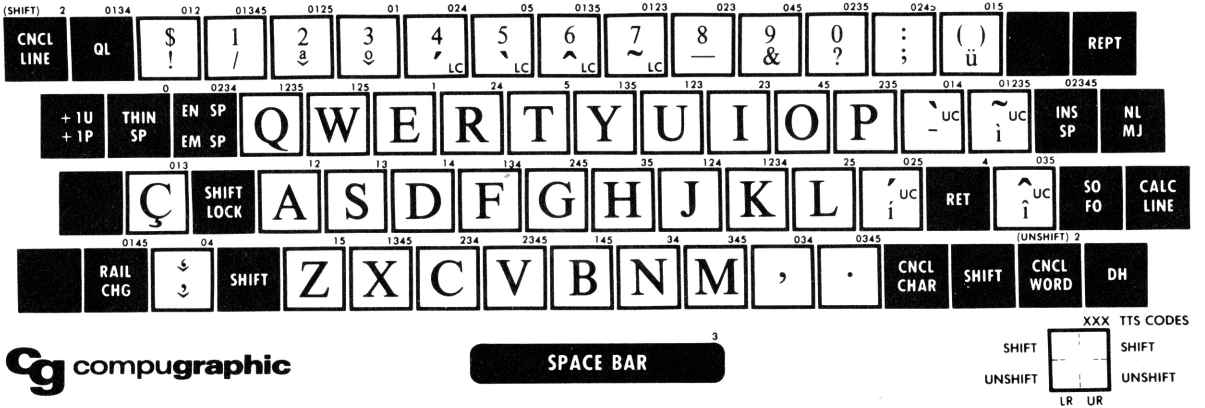
MICR complement 608

With Copperplate



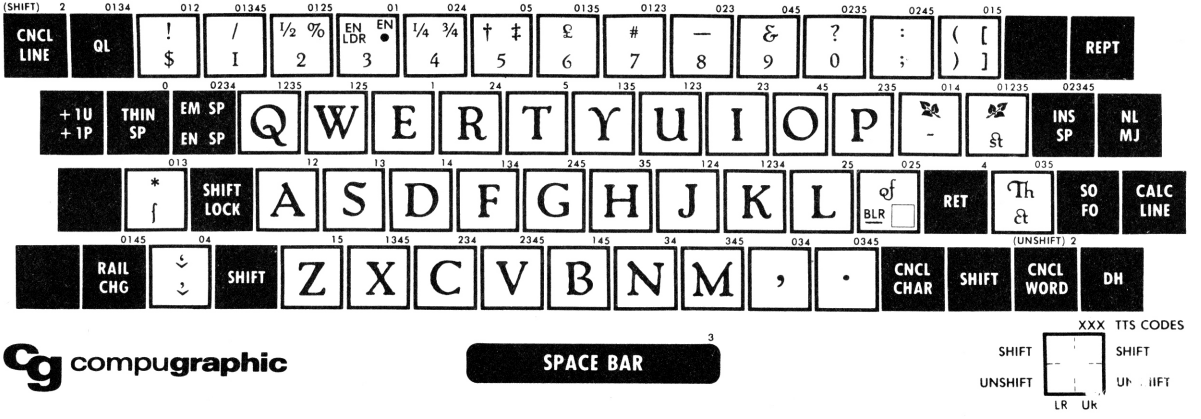
compugraphic

Portuguese/Italian complement 609

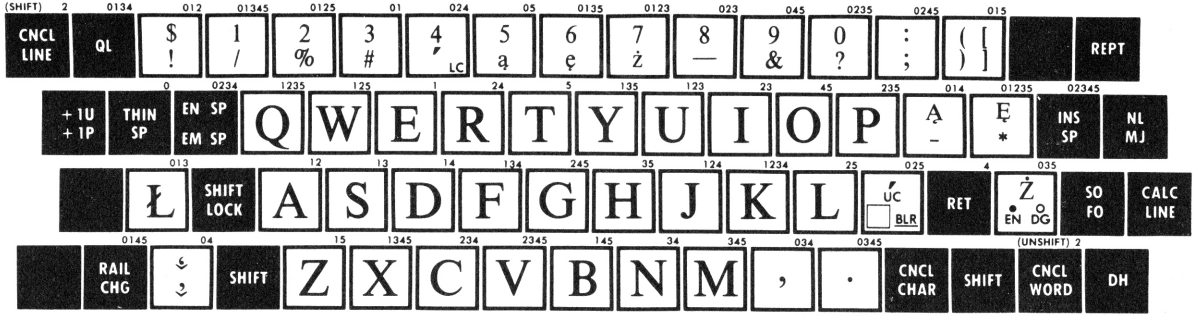


White Russian complement 610

Antique Text complement 611

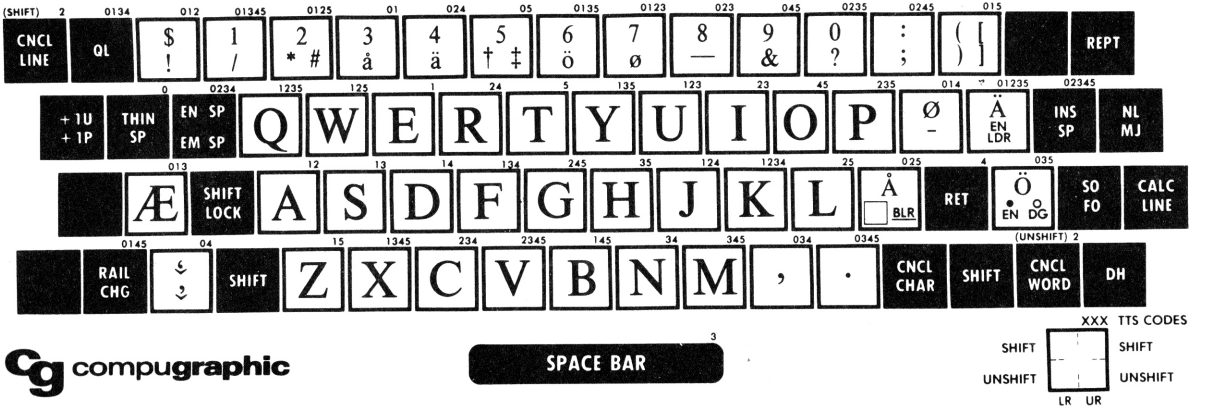


Polish complement 612



compugraphic

Scandinavian complement 613



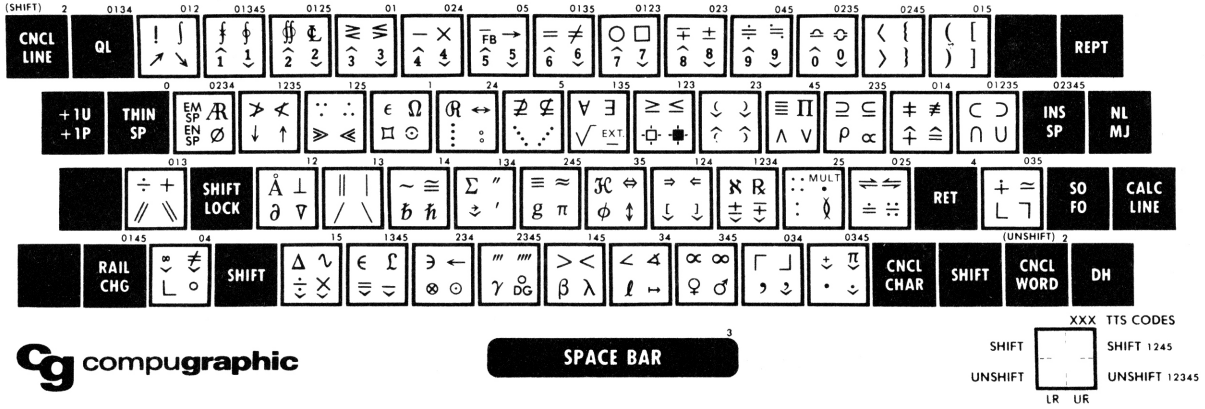
(SHIFT) 2
CNCL LINE
QL
$!
1 /
2 № %
3
4 «
5 »
6 EN LDR
7 * #
8 —
9 -
0 ?
: ;
([ )]
REPT
+1U +1P
EN THIN
Ќ Ц Щ У К Е Н Г Ш Њ З Љ Ґ
INS SP
NL MJ
Ж
SHIFT LOCK
Ф Ј В А П Р О Л Д Ђ
RET
S
SO FO
CALC LINE
RAIL CHG
Х
SHIFT
Ћ Ч С М И Т Б , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
compugraphic
3
SPACE BAR
XXX TTS CODES
SHIFT
SHIFT
UNSHIFT
UNSHIFT
LR UR

Russian complement 615

compugraphic

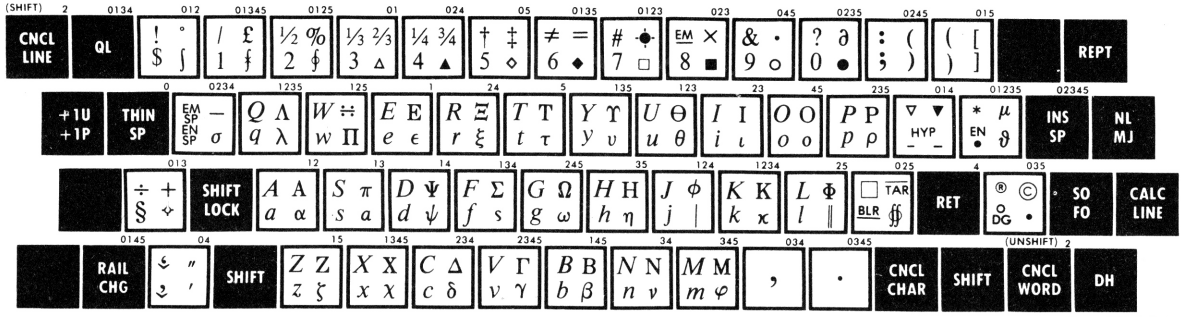
compugraphic

Math & Technical complement 617



Greek & Math complement 618

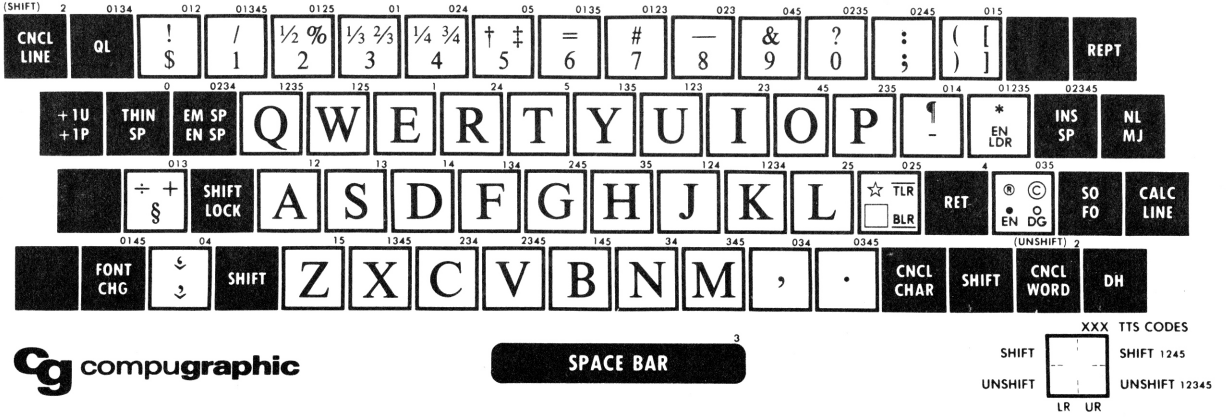
With italic typefaces

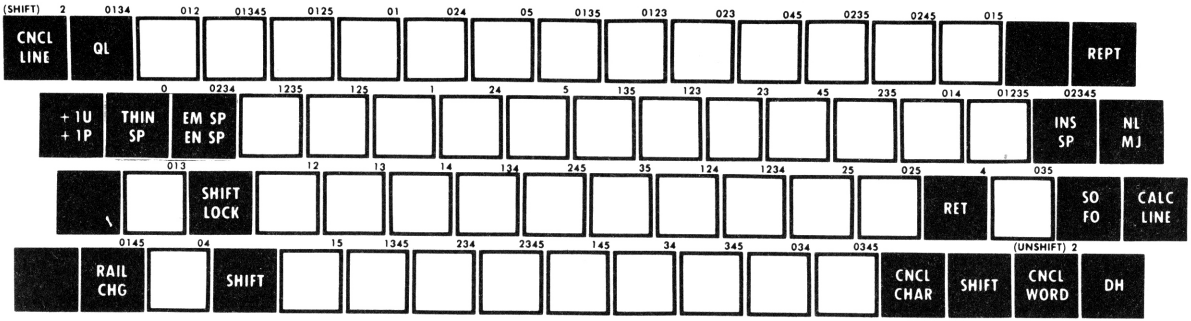


compugraphic

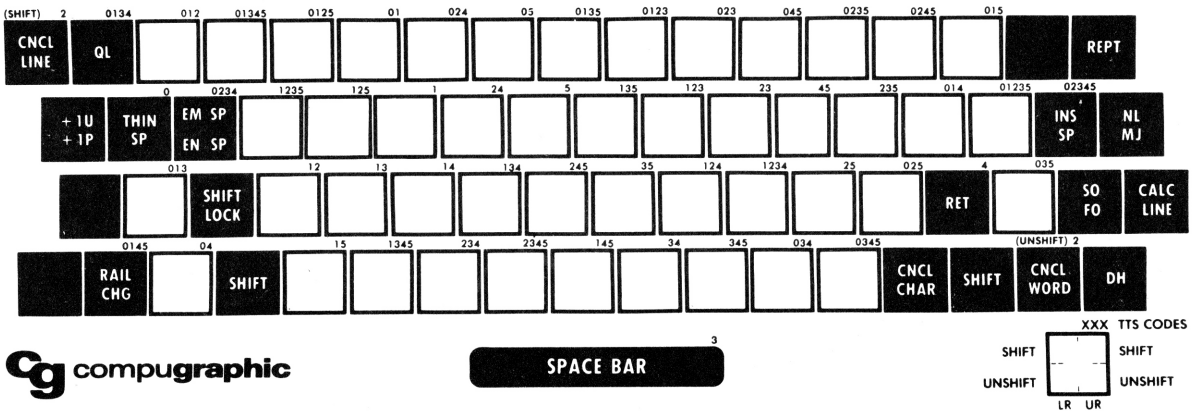
Book & Commercial complement 619

Formerly BC3





compugraphic



compugraphic

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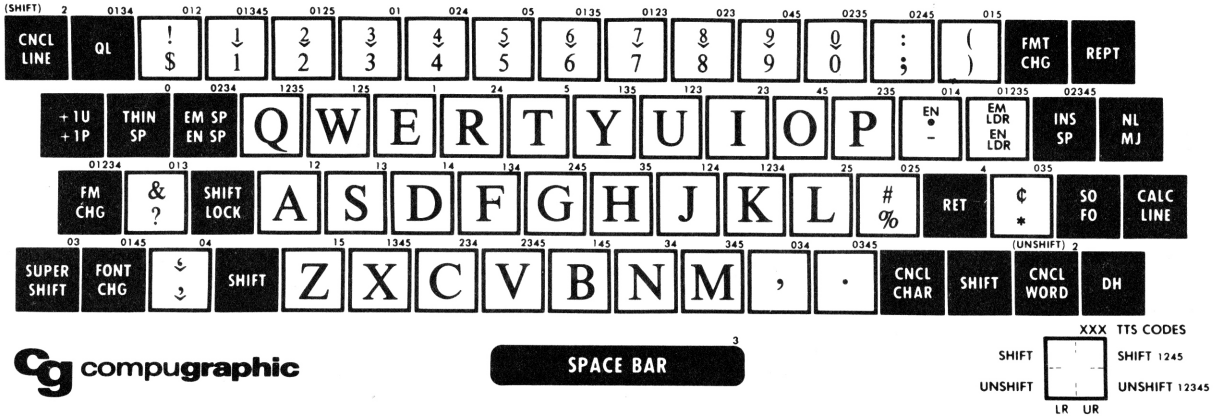
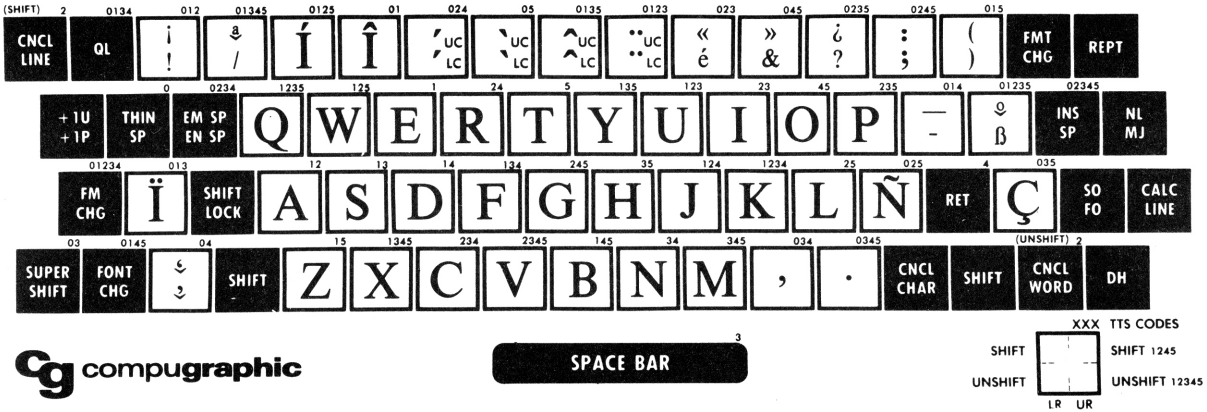
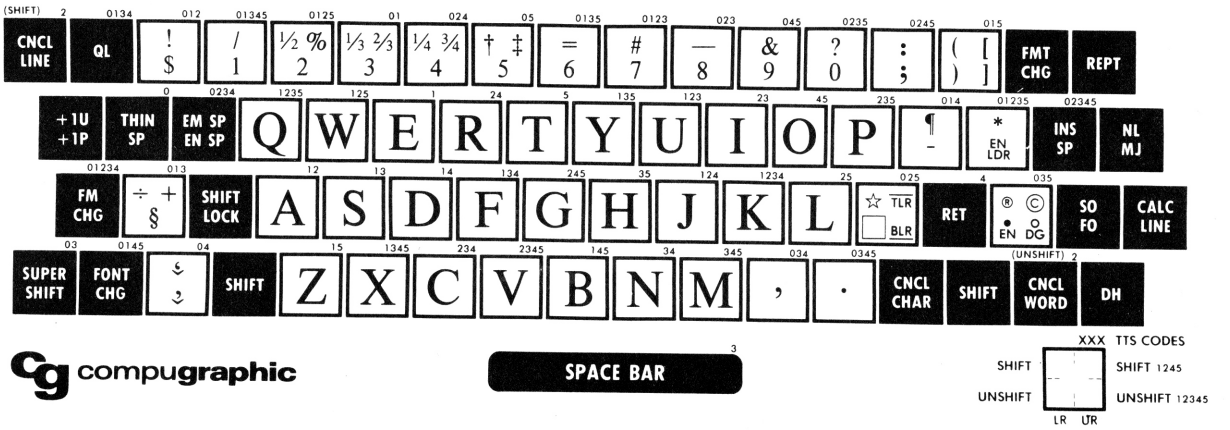


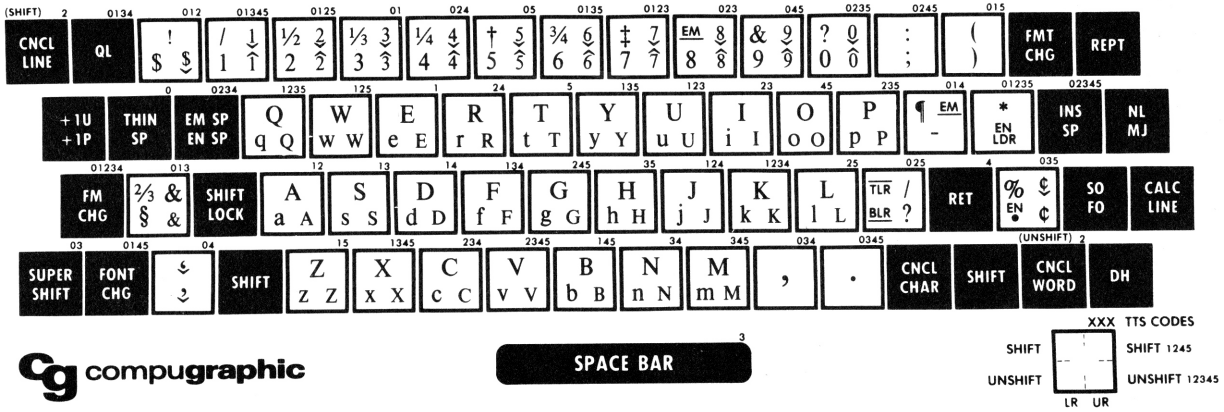

(SHIFT) 2
CNCL LINE
QL
¡ !
a / 01345
Í
Î
UC LC
UC LC
UC LC
UC LC
« é
» &
¿ ?
: ;
( )
FMT CHG
REPT
0
+1U +1P
THIN SP
EM SP EN SP
Q W E R T Y U I O P
— -
ß
INS SP
NL MJ
01234
FM CHG
Ï
013
SHIFT LOCK
A S D F G H J K L Ñ
RET
Ç
035
SO FO
CALC LINE
03
SUPER SHIFT
0145
FONT CHG
04
SHIFT
Z X C V B N M , .
(UNSHIFT) 2
CNCL CHAR
SHIFT
CNCL WORD
DH
compugraphic
3
SPACE BAR
XXX TTS CODES
SHIFT
SHIFT 1245
UNSHIFT
UNSHIFT 12345
LR UR

Book & Commercial complement 23

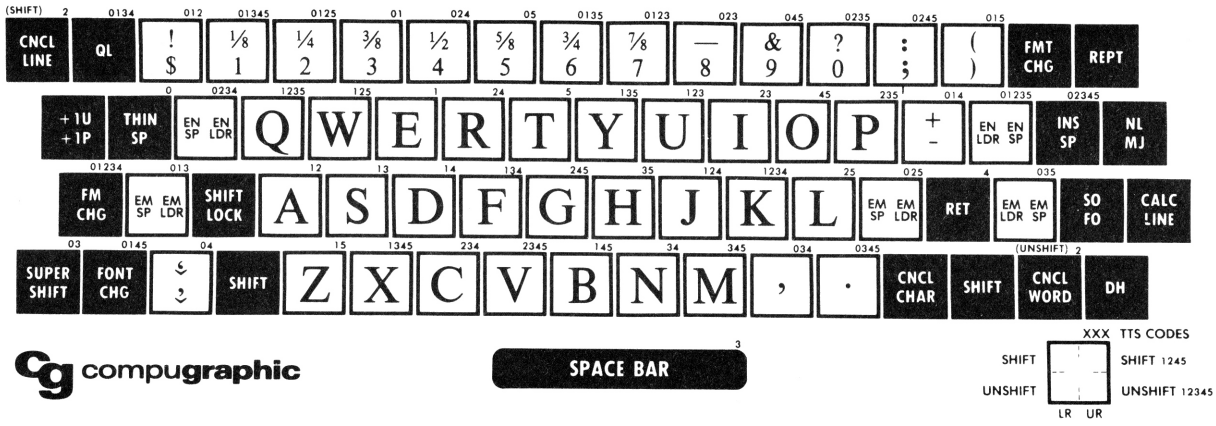
Formerly BC3



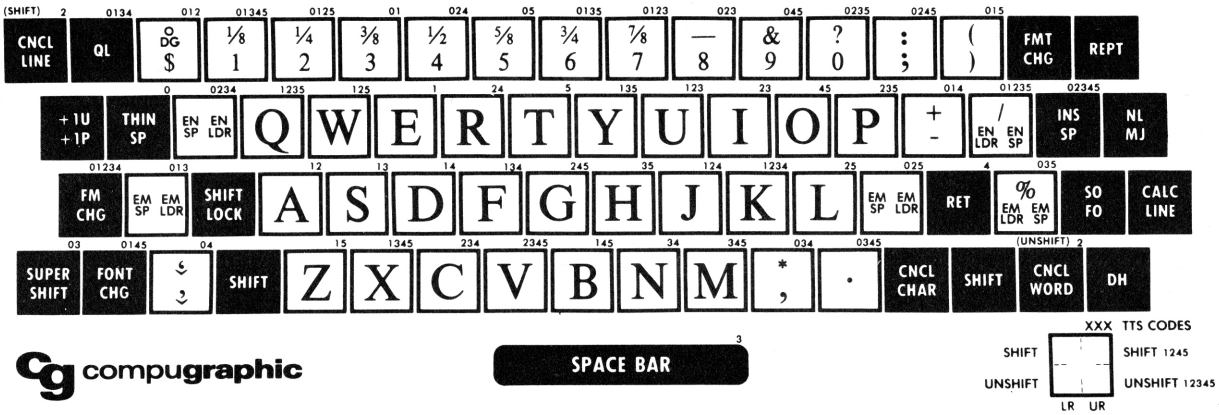
Book & Commercial Small Cap complement 24



Newspaper Wire Service complement 25



compugraphic



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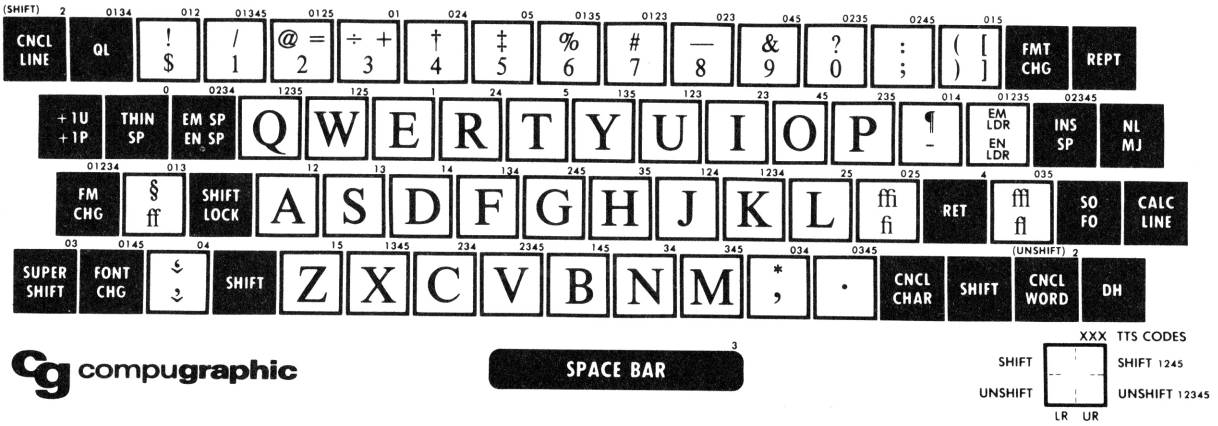
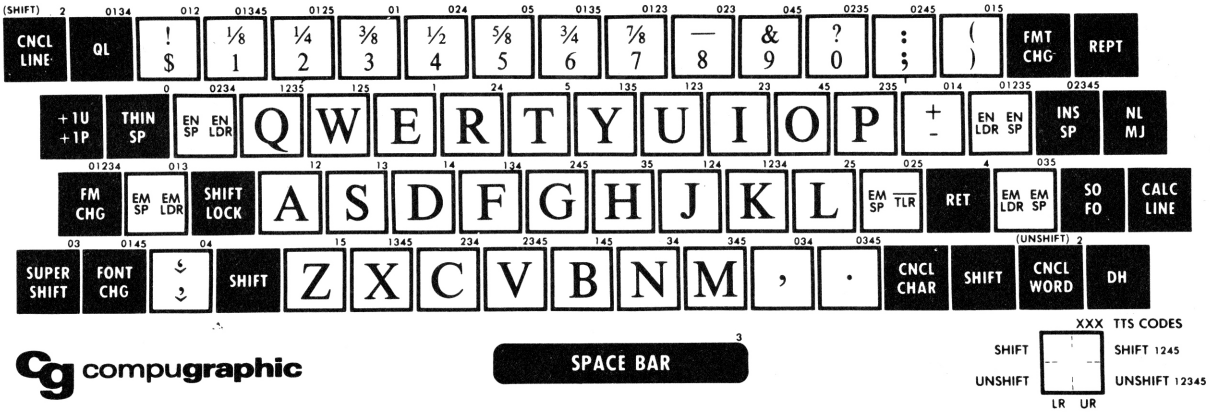
Book & Commercial complement 27



Newspaper Cut-Off Rule complement 28

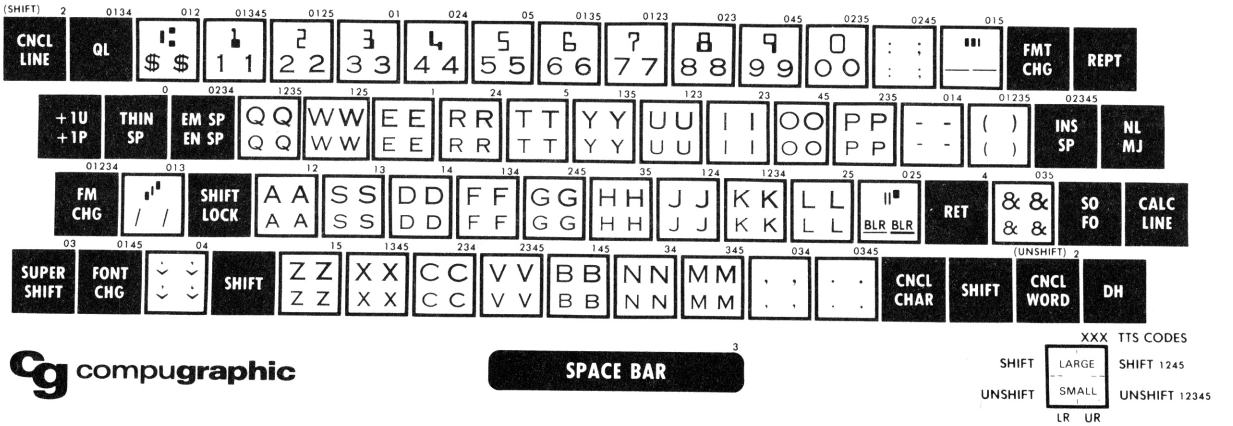


compugraphic

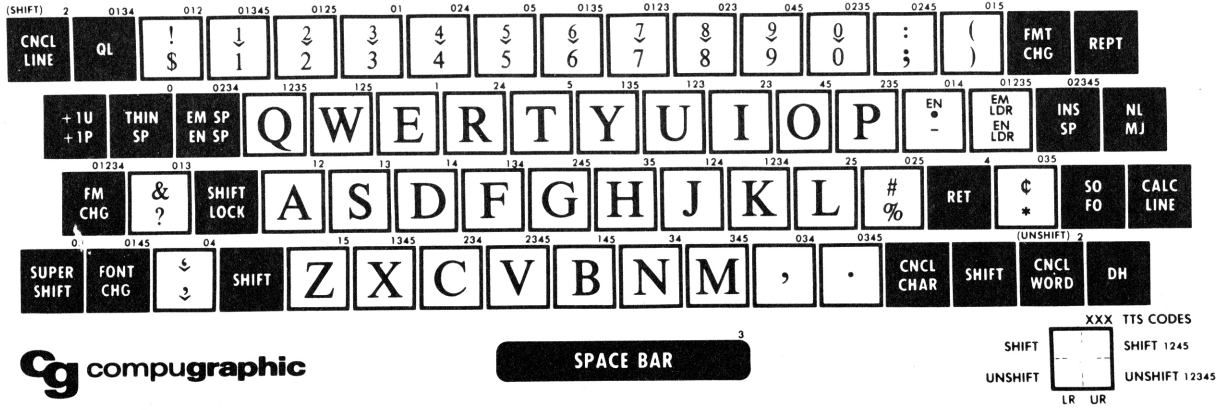
MICR complement 29

With Copperplate

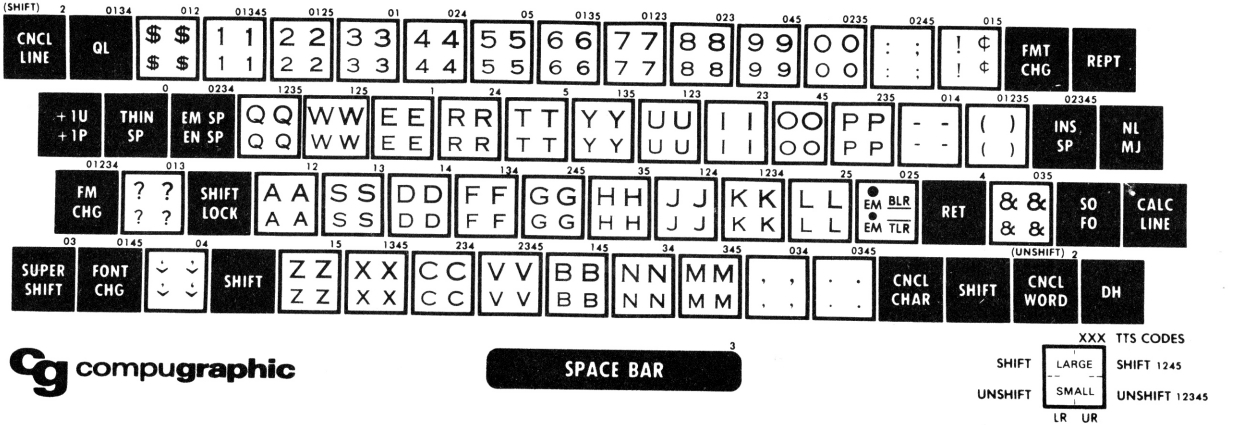
When using set gears/pulleys lower than 9 set, additional units must be added to MICR characters:
6 set—9 units/6.5 set—7 units/7 set—4 units/7.5 set—3 units/8 set—2 units/8.5 set—1 unit.
Justification, kerning or letterspacing (only as specified) is not recommended.



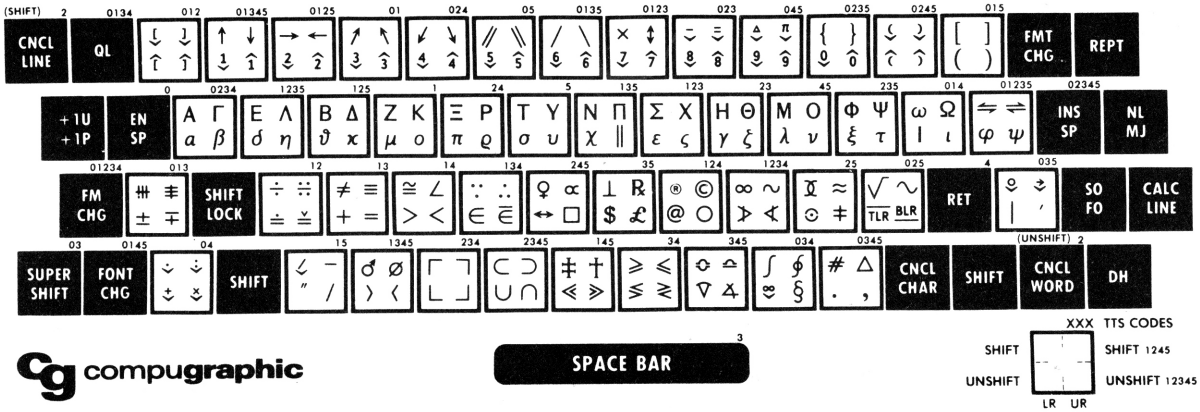
compugraphic


(SHIFT) 2
CNCL LINE
QL
! $
1
2
3
4
5
6
7
8
9
0
: ;
( )
FMT CHG
REPT
+1U +1P
THIN SP
EM SP EN SP
Q W E R T Y U I O P
EN
EM LDR EN LDR
INS SP
NL MJ
FM CHG
& ?
SHIFT LOCK
A S D F G H J K L
%
RET
¢ *
SO FO
CALC LINE
SUPER SHIFT
FONT CHG
SHIFT
Z X C V B N M , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
compugraphic
SPACE BAR
3
XXX TTS CODES
SHIFT
SHIFT 1245
UNSHIFT
UNSHIFT 12345
LR UR

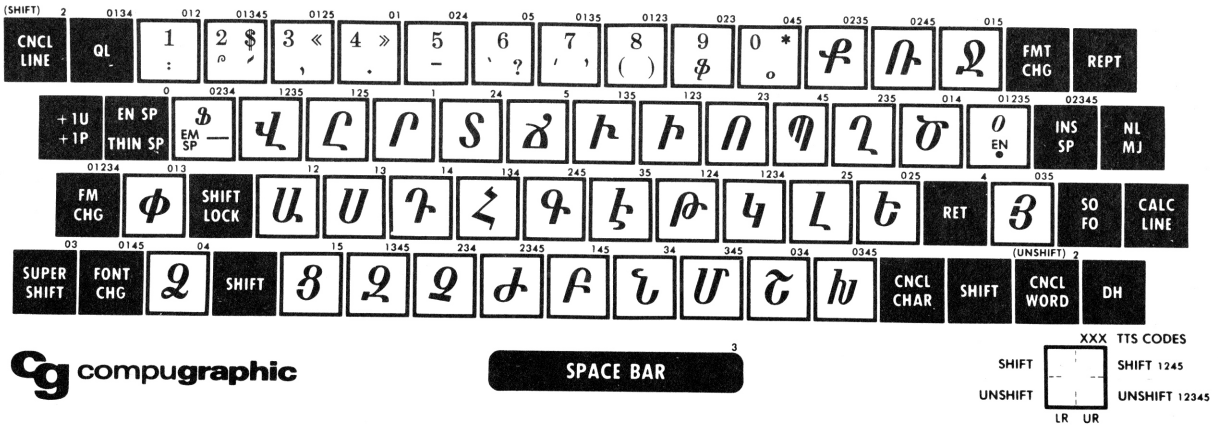
Copperplate complement 31

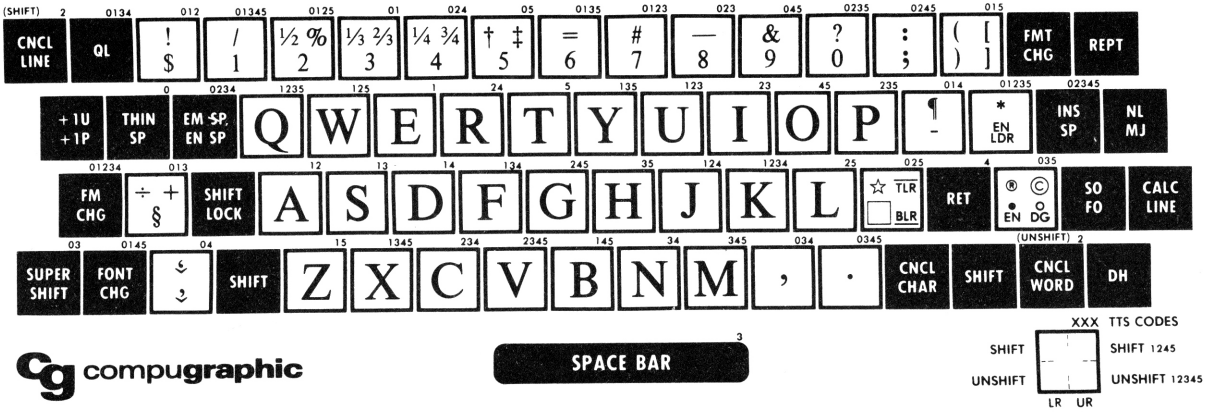


Greek & Math complement 32



Armenian complement 33



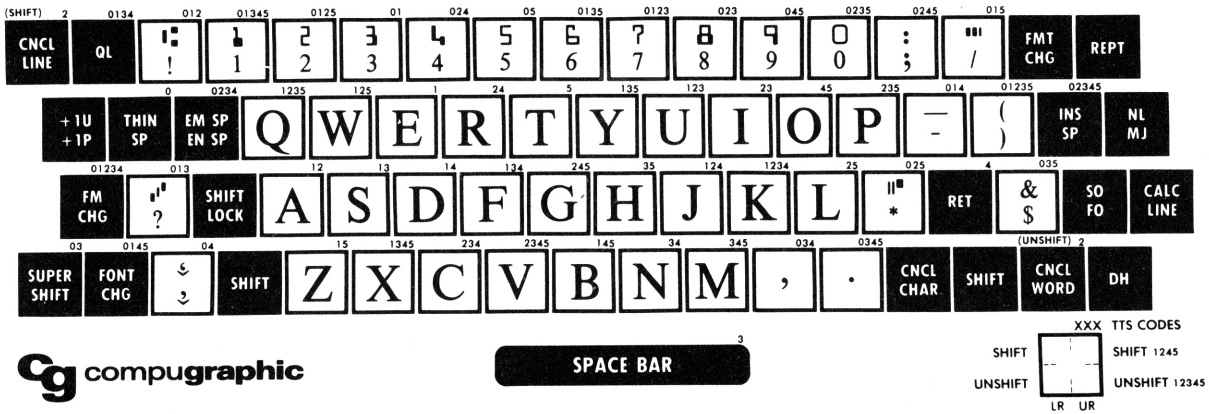


compugraphic

When using set gears/pulleys lower than 9 set, additional units must be added to MICR characters: 6 set—9 units/6.5 set—7 units/7 set—4 units/7.5 set—3 units/8 set—2 units/8.5 set—1 unit. Justification, kerning or letterspacing (only as specified) is not recommended.

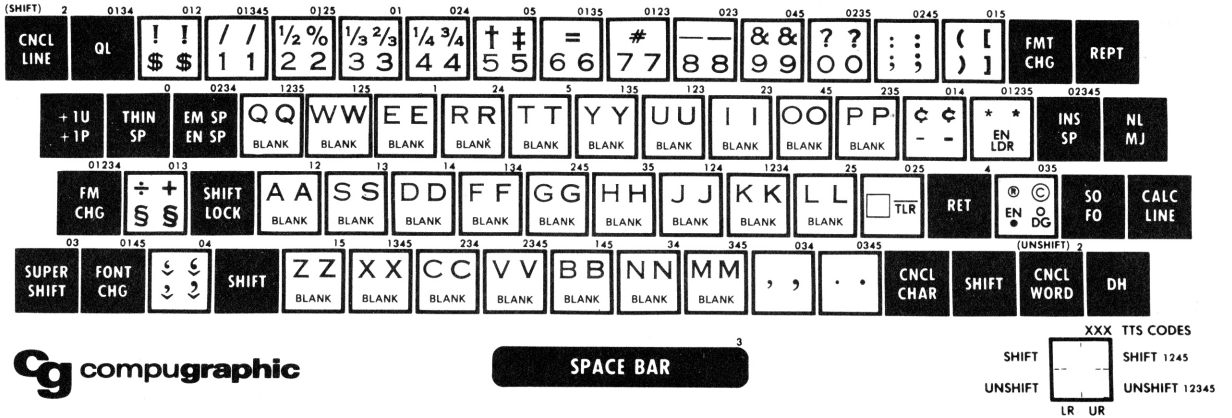
MICR complement 38

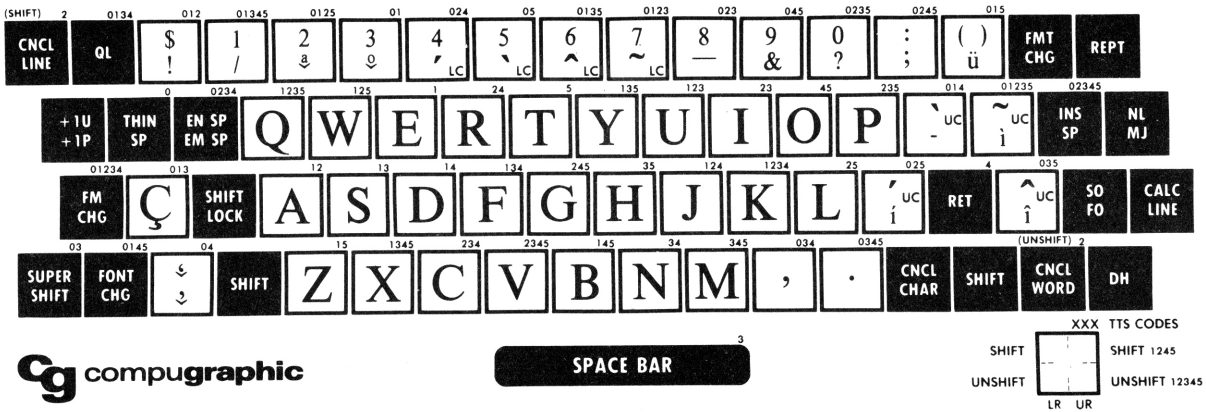
With standard typeface



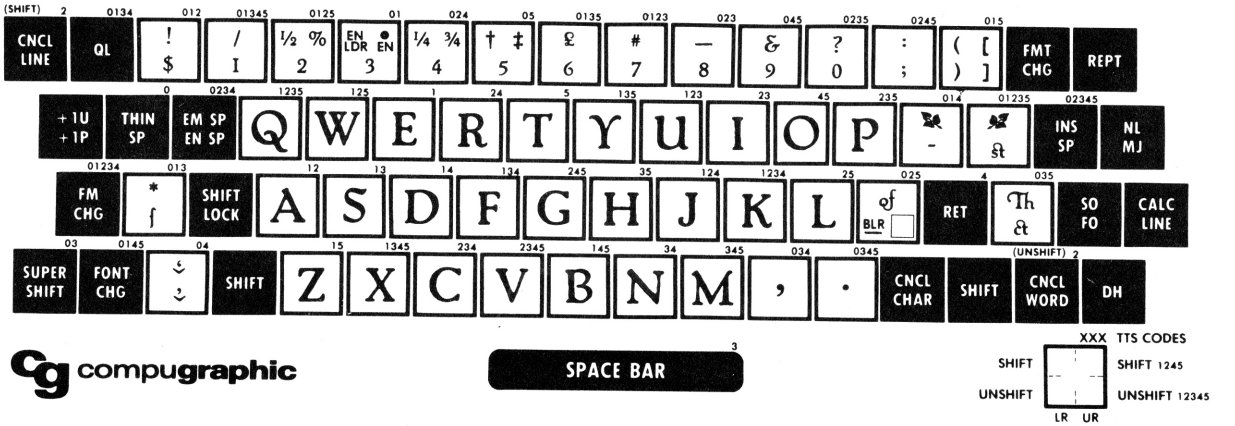
compugraphic

Copper complement 39



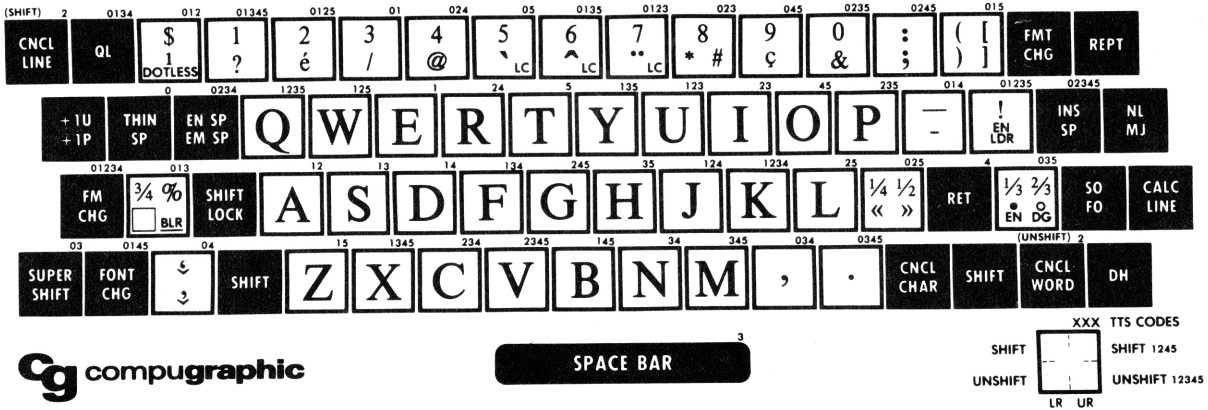

(SHIFT) 2
CNCL LINE
QL
$!
1 /
2 a
3 o
4 ' LC
5 ` LC
6 ^ LC
7 ~ LC
8 —
9 &
0 ?
: ;
( ) ü
FMT CHG
REPT
+1U +1P
THIN SP
EN SP EM SP
Q W E R T Y U I O P
` UC -
~ UC ì
INS SP
NL MJ
FM CHG
Ç
SHIFT LOCK
A S D F G H J K L
' UC í
RET
^ UC î
SO FO
CALC LINE
SUPER SHIFT
FONT CHG
SHIFT
Z X C V B N M , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
compugraphic
SPACE BAR
3
XXX TTS CODES
SHIFT
SHIFT 1245
UNSHIFT
UNSHIFT 12345
LR UR

Antique Text complement 81



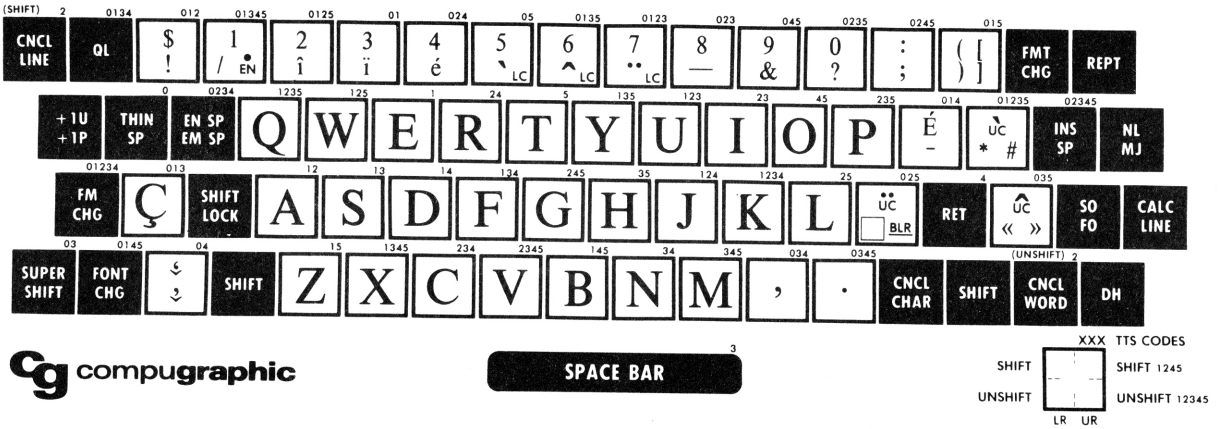
French Canadian Floating Accent complement 82

Floating accent machines only



compugraphic

French complement 83

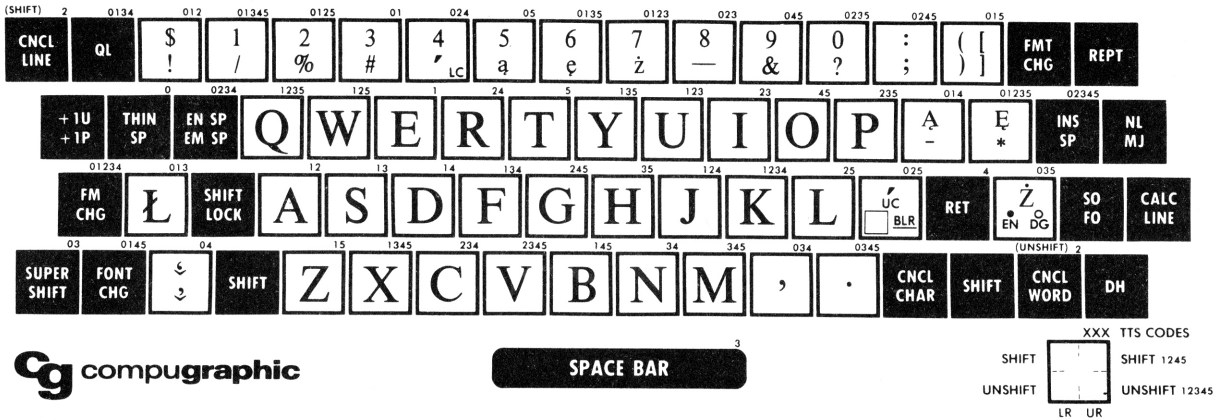


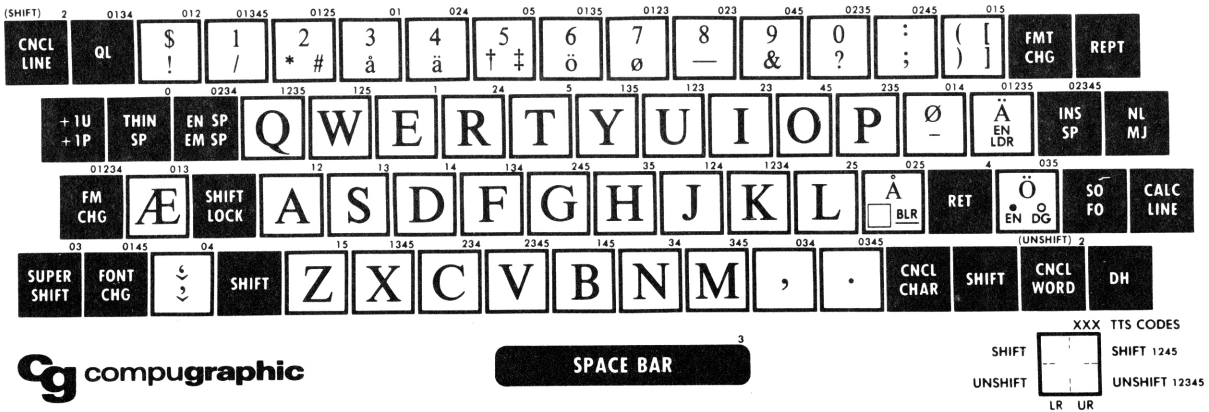
(SHIFT) 2
CNCL LINE
QL
$!
1 /
2 ¿
3 ¡
4 a
5 LC
6 º
7 ü
8 —
9 &
0 ?
: ;
([ )]
FMT CHG
REPT
+1U +1P
THIN SP
EN SP EM SP
Q W E R T Y U I O P
Ü –
* # EN LDR • EN
INS SP
NL MJ
FM CHG
Í
SHIFT LOCK
A S D F G H J K L
UC BLR
RET
Ñ
SO FO
CALC LINE
SUPER SHIFT
FONT CHG
SHIFT
Z X C V B N M , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
compugraphic
3
SPACE BAR
XXX TTS CODES
SHIFT
SHIFT 1245
UNSHIFT
UNSHIFT 12345
LR UR

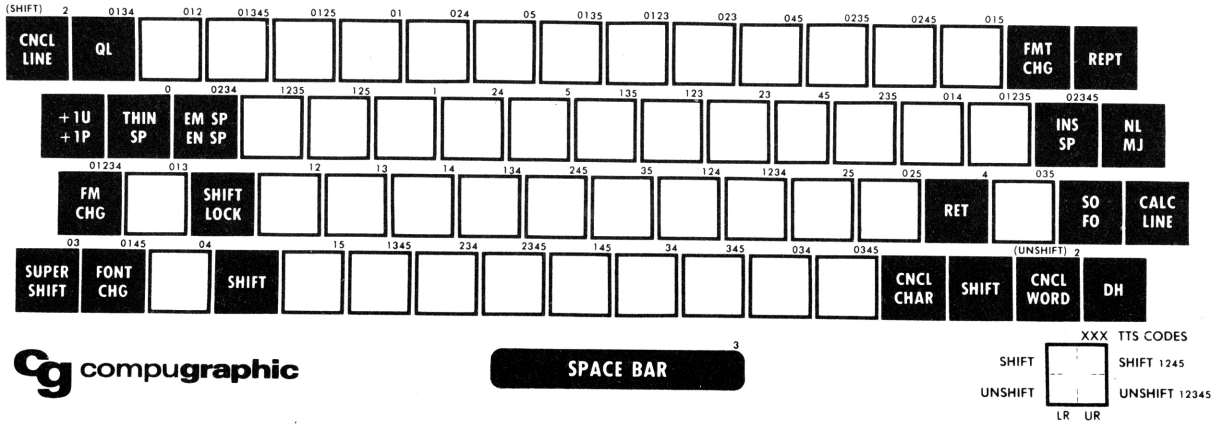
Serbian complement 85

(SHIFT) 2
CNCL LINE
QL
$!
1 /
2 № %
3 ;
4 «
5 »
6 • EN EN LDR
7 * #
8 —
9 –
0 ?
: ;
([ )]
FMT CHG
REPT
+1U +1P
EN THIN
Ё Й Ц У К Е Н Г Ш Щ З Э Ъ
INS SP
NL MJ
FM CHG
Ж
SHIFT LOCK
Ф Ы В А П Р О Л Д Ь
RET
Ю
SO FO
CALC LINE
SUPER SHIFT
FONT CHG
Х
SHIFT
Я Ч С М И Т Б , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
compugraphic
SPACE BAR
3
XXX TTS CODES
SHIFT
SHIFT 1245
UNSHIFT
UNSHIFT 12345
LR UR

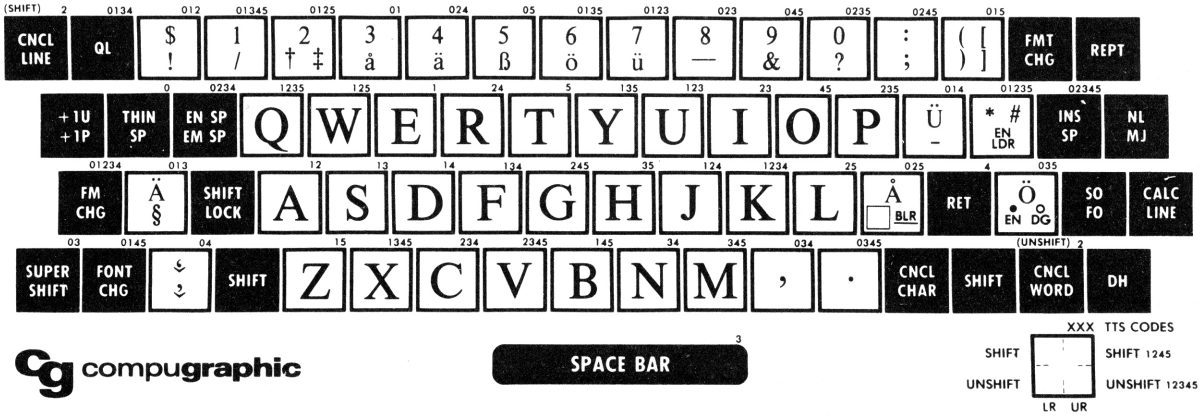
Polish complement 87




(SHIFT) 2
CNCL LINE
QL
$!
1 /
2 * #
3 å
4 ä
5 † ‡
6 ö
7 ø
8 —
9 &
0 ?
: ;
([
)]
FMT CHG
REPT
+1U +1P
THIN SP
EN SP EM SP
Q W E R T Y U I O P
Ø –
Ä EN LDR
INS SP
NL MJ
FM CHG
Æ
SHIFT LOCK
A S D F G H J K L
Å BLR
RET
Ö EN DG
SÖ FO
CALC LINE
SUPER SHIFT
FONT CHG
SHIFT
Z X C V B N M , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
compugraphic
3
SPACE BAR
XXX TTS CODES
SHIFT
SHIFT 1245
UNSHIFT
UNSHIFT 12345
LR UR



compugraphic

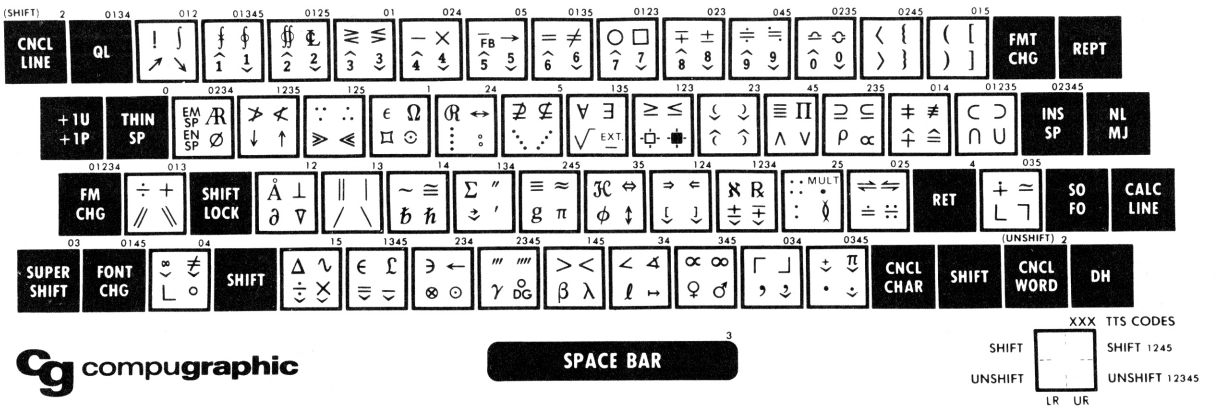

(SHIFT) 2
CNCL LINE
QL
$!
1 /
2 † ‡
3 å
4 ä
5 ß
6 ö
7 ü
8 —
9 &
0 ?
: ;
([ )]
FMT CHG
REPT
+1U +1P
THIN SP
EN SP EM SP
Q W E R T Y U I O P
Ü _
* # EN LDR
INS SP
NL MJ
FM CHG
Ä §
SHIFT LOCK
A S D F G H J K L
Å BLR
RET
Ö EN DG
SO FO
CALC LINE
SUPER SHIFT
FONT CHG
SHIFT
Z X C V B N M , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
compugraphic
3
SPACE BAR
XXX TTS CODES
SHIFT
SHIFT 1245
UNSHIFT
UNSHIFT 12345
LR UR

Ukrainian complement 90

compugraphic

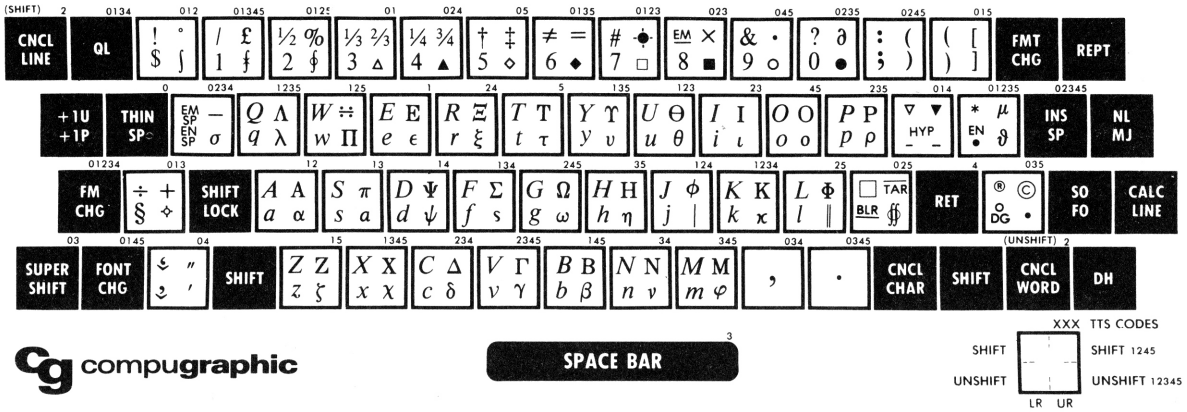
(SHIFT) 2
CNCL LINE
QL
$! 1 / 2 № % 3 ₴ 4 : 5 ; 6 « 7 » 8 — 9 - 0 ? Ў ([ )]
FMT CHG
REPT
+1U +1P
EN THIN
Ё Й Ц У К Е Н Г Ш Щ З Э Г
INS SP
NL MJ
FM CHG
Ж
SHIFT LOCK
Ф Ы В А П Р О Л Д Ь
RET
Ю
SO FO
CALC LINE
SUPER SHIFT
FONT CHG
Х
SHIFT
Я Ч С М І Т Б , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
compugraphic
3
SPACE BAR
XXX TTS CODES
SHIFT
SHIFT 1245
UNSHIFT
UNSHIFT 12345
LR UR

Math & Technical complement 92



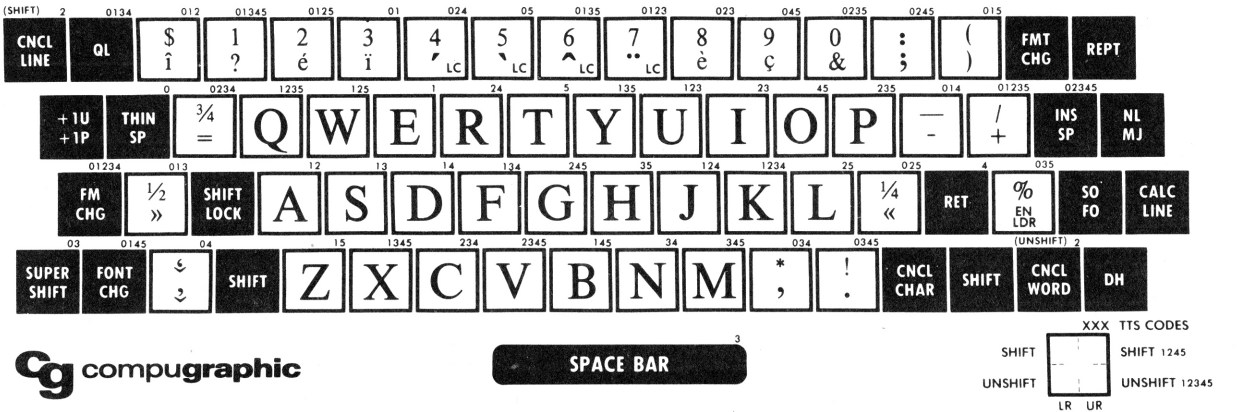
Greek & Math complement 93

With italic typefaces



French Canadian Floating Accent complement 210

Floating accent machines only

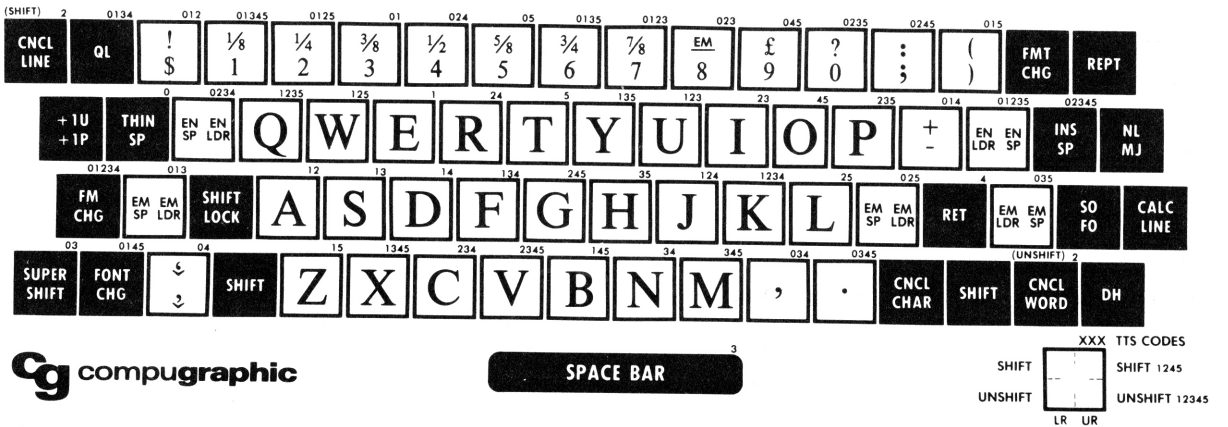


compugraphic

(SHIFT) 2
CNCL LINE
QL
$ ô
1 â
2 à
3 é
4 û
5 è
6 ?
7 ê
— 8
9 ù
0 î
: ;
( )
FMT CHG
REPT
+1U +1P
THIN SP
EN SP
EN LDR
Q W E R T Y U I O P
Ç _
EN LDR
EN SP
INS SP
NL MJ
FM CHG
EM SP
EM LDR
SHIFT LOCK
A S D F G H J K L
EM SP
EM LDR
!
RET
EM LDR
EM SP
SO FO
CALC LINE
SUPER SHIFT
FONT CHG
SHIFT
Z X C V B N M , .
CNCL CHAR
SHIFT
(UNSHIFT) 2
CNCL WORD
DH
SPACE BAR
3
XXX TTS CODES
SHIFT
SHIFT 1245
UNSHIFT
UNSHIFT 12345
LR
UR
compugraphic

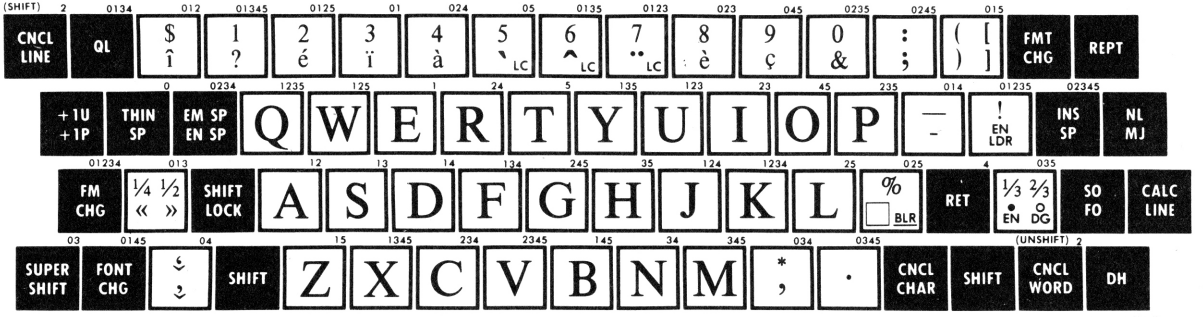
Canadian Newspaper Wire Service complement 224

English



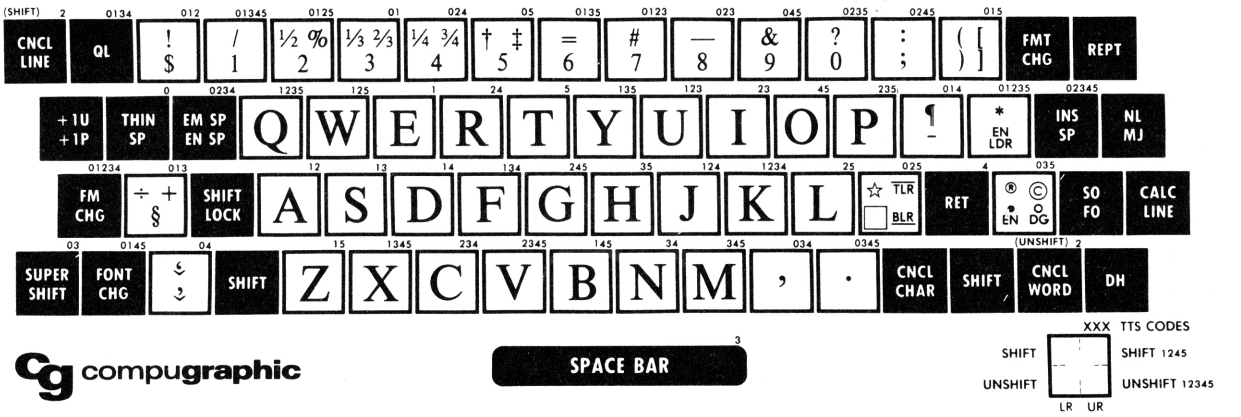
compugraphic

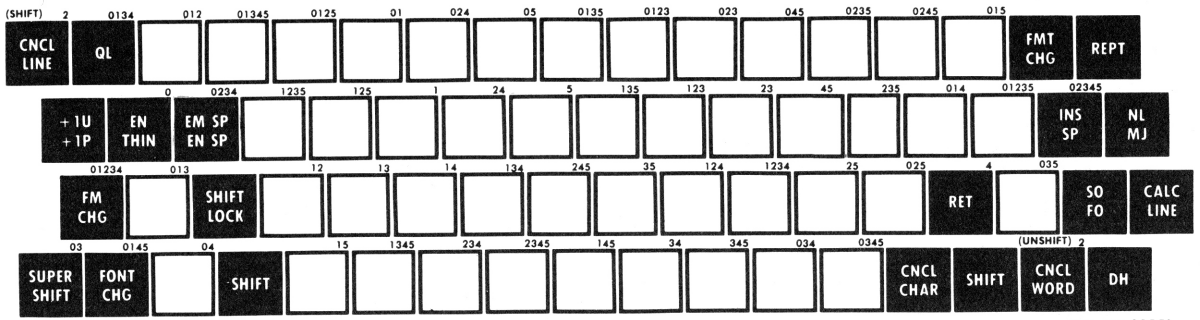
French Canadian Piece Accent complement 225



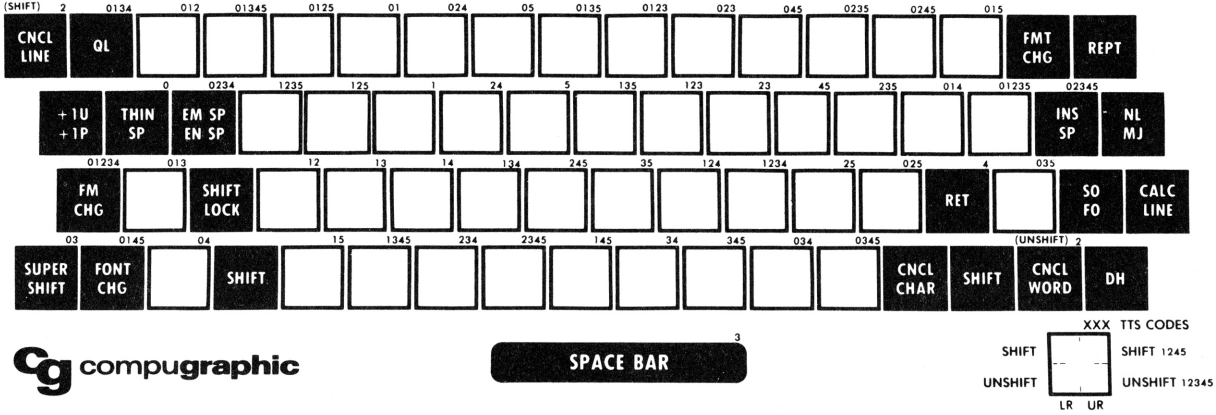
Book & Commercial complement 263

Formerly BC3, for use with foreign language





compugraphic



compugraphic

Newspaper Wire Service complement 400
TTS typefaces only 366
Text complement 401
Formerly standard text 367
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English 369
Ad complement 404 370
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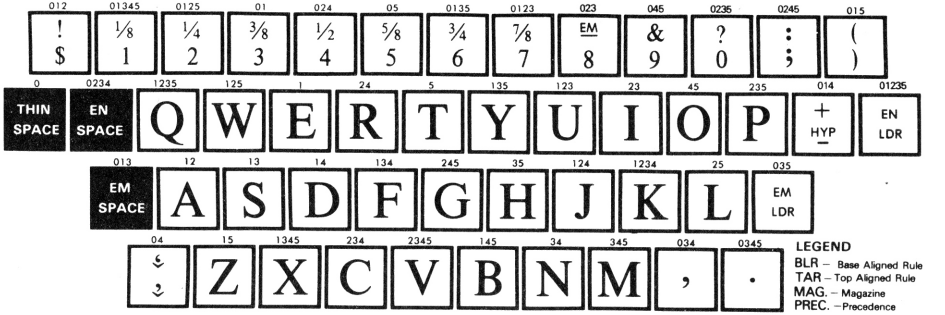
Blank keyboard 372
Multilingual complement 429 373
Greek & Math complement 430 374
Greek & Math complement 431 375
Greek & Math complement 432 376
Greek & Math complement 433 377
TV Logo complement 434 379
Blank keyboard 380
Blank keyboard 381
Blank keyboard 382
Blank keyboard 383
Blank keyboard 384

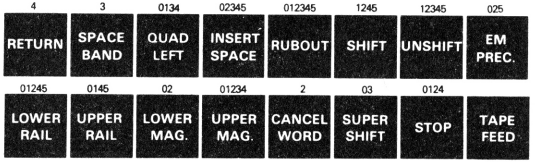
Newspaper Wire Service complement 400 *TTS typefaces only*



LEGEND

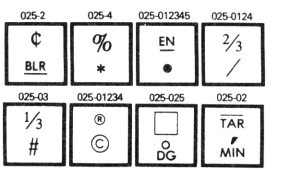
BLR – Base Aligned Rule
TAR – Top Aligned Rule
MAG. – Magazine
PREC. – Precedence

TTS SINGLE FRAME FUNCTION CODES

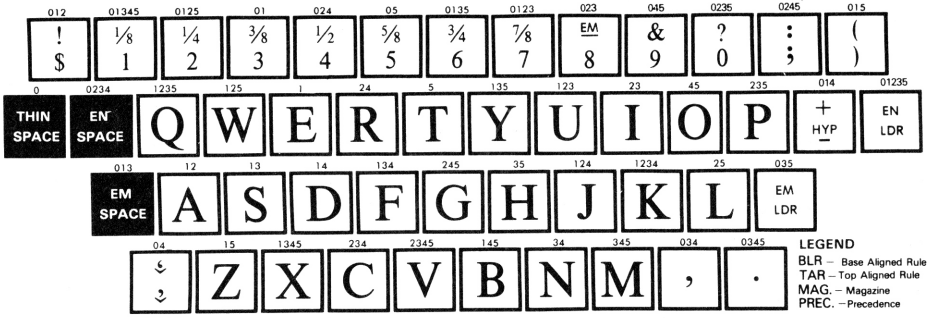


EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.

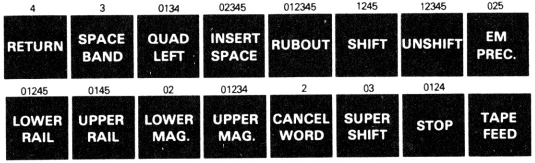


Text complement 401 *Formerly standard text*



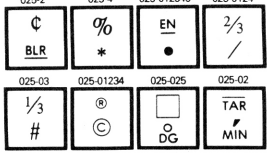
LEGEND
BLR – Base Aligned Rule
TAR – Top Aligned Rule
MAG. – Magazine
PREC. – Precedence

TTS SINGLE FRAME FUNCTION CODES

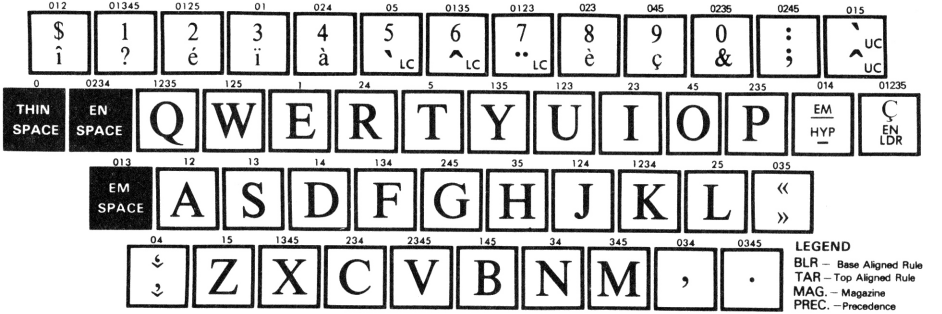


EM (025) PRECEDENCE CHARACTER CODES

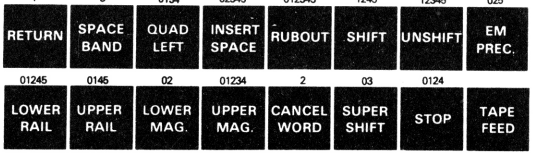
Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.



French Canadian Floating Accent complement 402

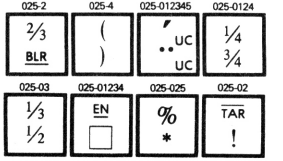


TTS SINGLE FRAME FUNCTION CODES

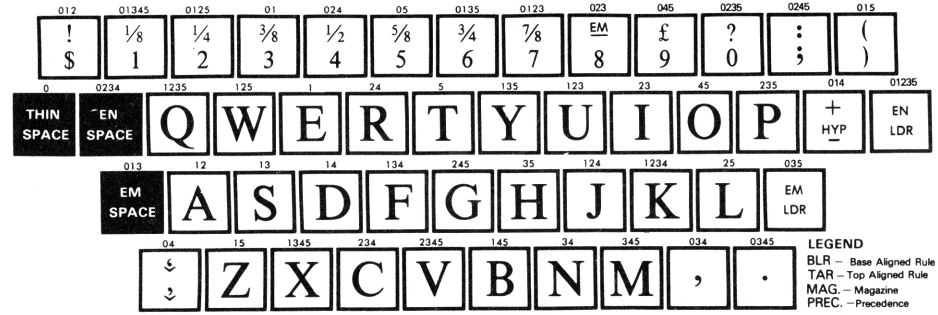


EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.



Canadian Wire Service complement 403 *English*



TTS SINGLE FRAME FUNCTION CODES

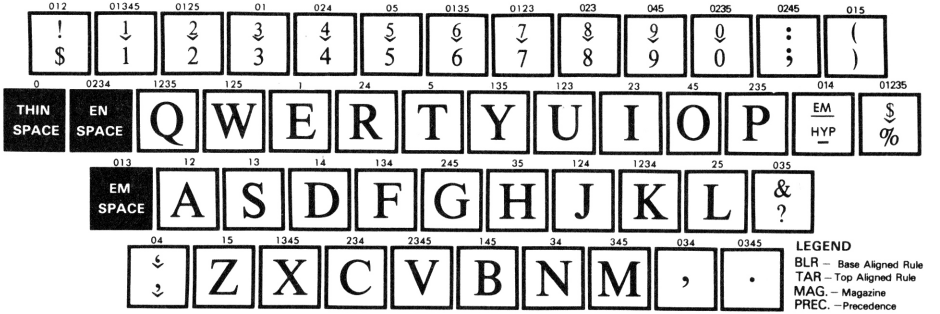
4	3	0134	02345	012345	1245	12345	025
RETURN	SPACE BAND	QUAD LEFT	INSERT SPACE	RUBOUT	SHIFT	UNSHIFT	EM PREC.
01245	0145	02	01234	2	03	0124	
LOWER RAIL	UPPER RAIL	LOWER MAG.	UPPER MAG.	CANCEL WORD	SUPER SHIFT	STOP	TAPE FEED

EM (025) PRECEDENCE CHARACTER CODES

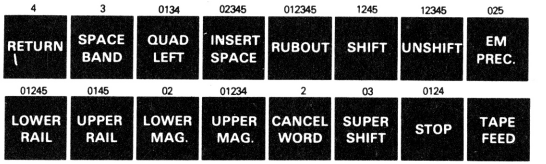
Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.

025-2	025-4	025-012345	025-0124
¢ BLR	% *	EN •	2/3 /
025-03	025-01234	025-025	025-02
1/3 #	® ©	□ ° DG	TAR ' MIN

Ad complement 404

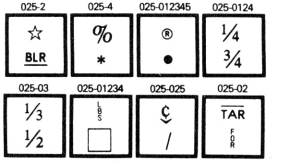


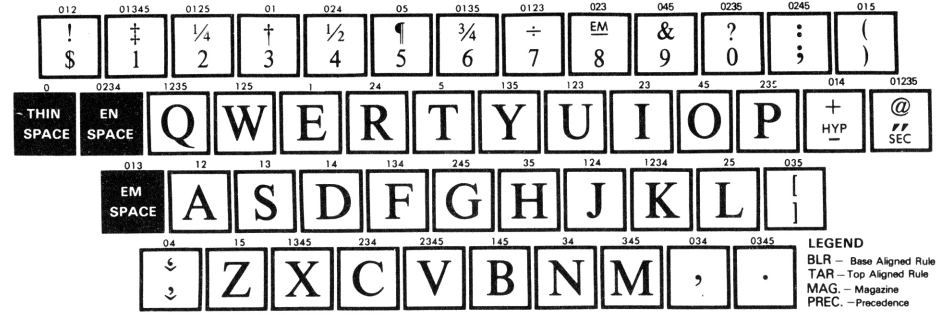
TTS SINGLE FRAME FUNCTION CODES



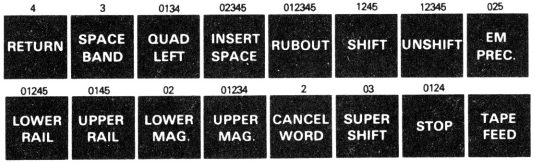
EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.



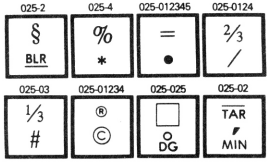


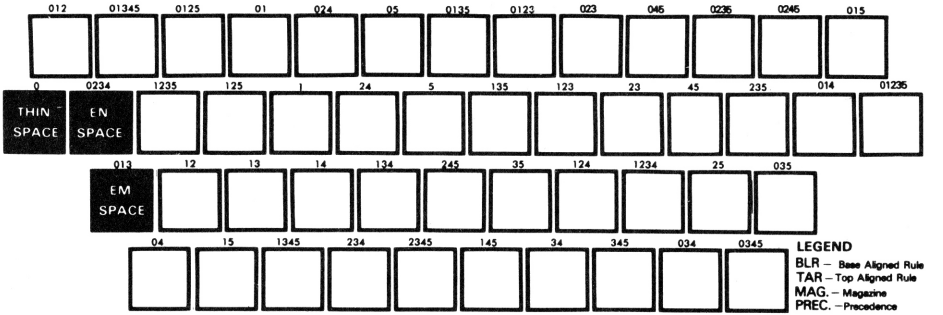
TTS SINGLE FRAME FUNCTION CODES



EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.





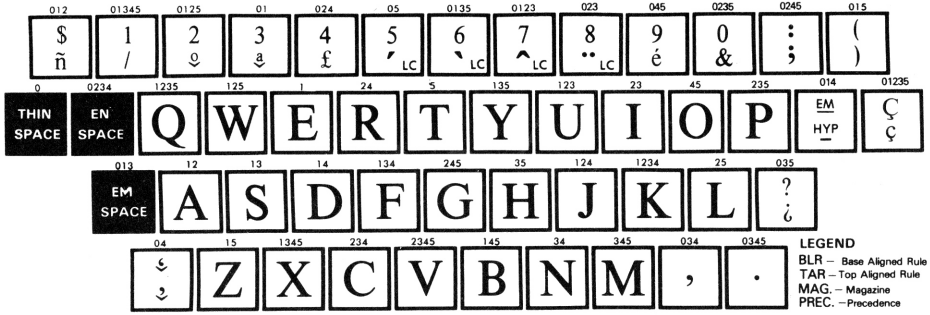
TTS SINGLE FRAME FUNCTION CODES

4	3	0134	02345	012345	1245	12345	025
RETURN	SPACE BAND	QUAD LEFT	INSERT SPACE	RUBOUT	SHIFT	UNSHIFT	EM PREC
01245	**0145**	**02**	**01234**	**2**	**03**	**0124**	
LOWER RAIL	UPPER RAIL	LOWER MAG	UPPER MAG	CANCEL WORD	SUPER SHIFT	STOP	TAPE FEED

EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.

025-2	025-4	025-012345	025-0124
025-03	**025-01234**	**025-025**	**025-02**
			$\overline{\text{TAR}}$



TTS SINGLE FRAME FUNCTION CODES

4	3	0134	02345	012345	1245	12345	025
RETURN	SPACE BAND	QUAD LEFT	INSERT SPACE	RUBOUT	SHIFT	UNSHIFT	EM PREC.
01245	0145	02	01234	2	03	0124	
LOWER RAIL	UPPER RAIL	LOWER MAG.	UPPER MAG.	CANCEL WORD	SUPER SHIFT	STOP	TAPE FEED

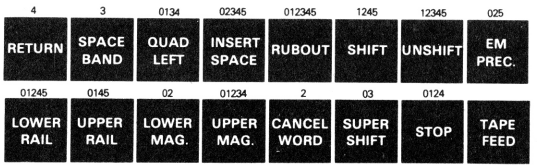
EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.

025-2	025-4	025-012345	025-0124
UC BLR	UC »	Ñ •	UC ß
025-03	**025-01234**	**025-025**	**025-02**
* «	¡ !	UC %	TAR 1

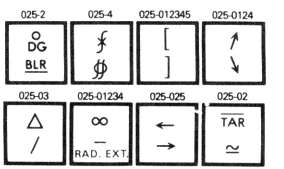
Greek & Math complement 430

TTS SINGLE FRAME FUNCTION CODES



EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.



TTS SINGLE FRAME FUNCTION CODES

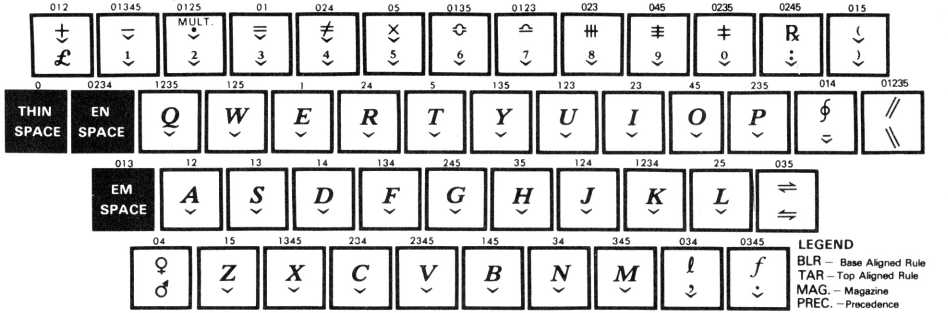
4	3	0134	02345	012345	1245	12345	025
RETURN	SPACE BAND	QUAD LEFT	INSERT SPACE	RUBOUT	SHIFT	UNSHIFT	EM PREC.
01245	0145	02	01234	2	03	0124	
LOWER RAIL	UPPER RAIL	LOWER MAG.	UPPER MAG.	CANCEL WORD	SUPER SHIFT	STOP	TAPE FEED

EM (025) PRECEDENCE CHARACTER CODES

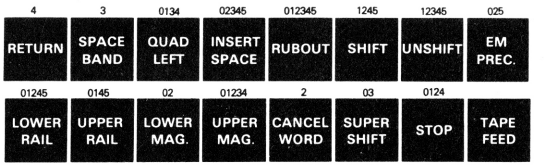
Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.

025-2	025-4	025-012345	025-0124
025-03	025-01234	025-025	025-02
			TAR

Greek & Math complement 432

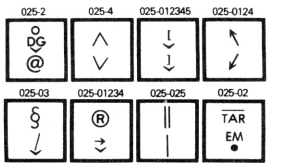


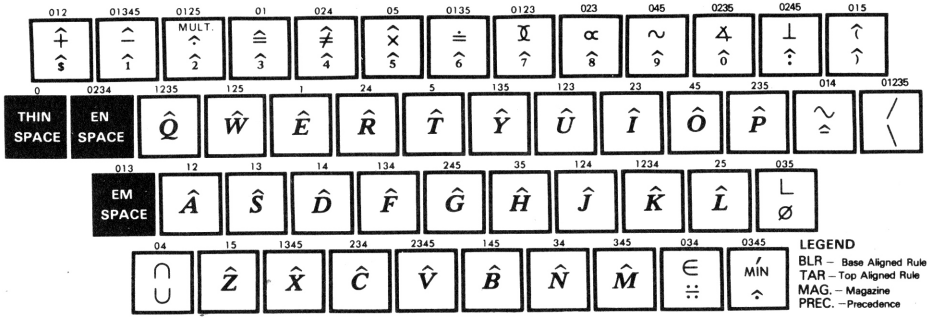
TTS SINGLE FRAME FUNCTION CODES



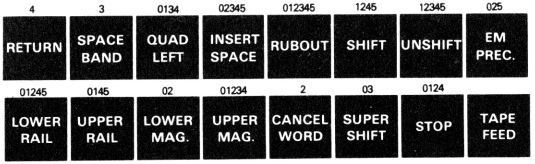
EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.



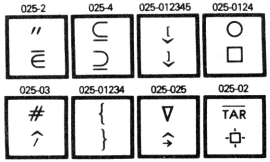


TTS SINGLE FRAME FUNCTION CODES



EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.



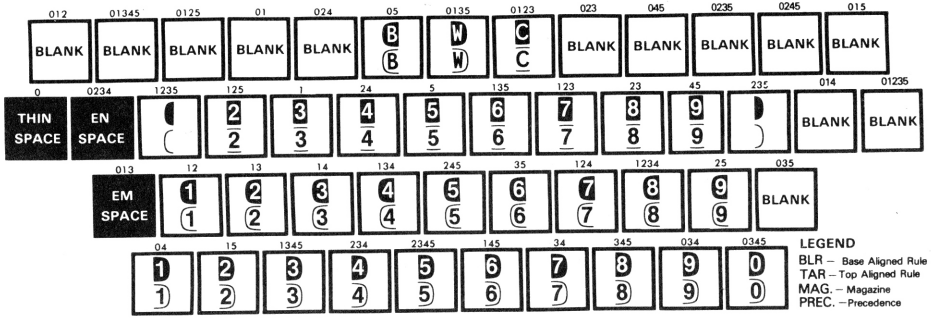
Single digit logo construction requires 3 keystrokes, beginning element (key code 1235), center element (containing digit) and ending element (key code 235).

Double digit logo construction requires 2 keystrokes, left half segment and right half segment.

TV logos can either be constructed as reverse images (characters in shift position) or positive images (characters in unshift positions).

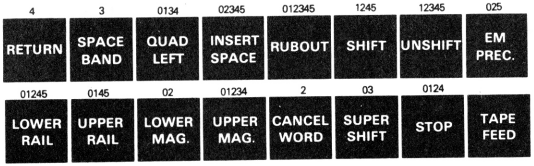
Letterspacing, justification, kerning or character compensation is not recommended.

TV Logo complement 434



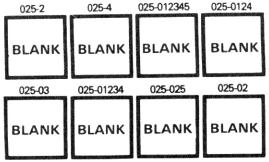
LEGEND
BLR – Base Aligned Rule
TAR – Top Aligned Rule
MAG. – Magazine
PREC. – Precedence

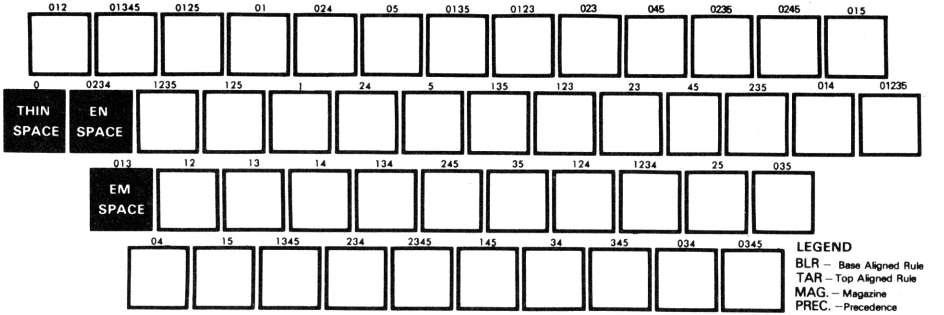
TTS SINGLE FRAME FUNCTION CODES



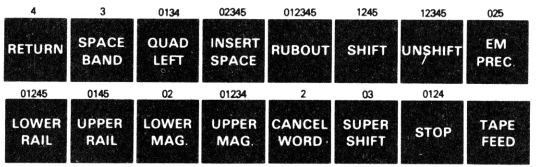
EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.



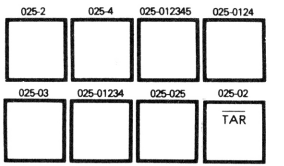


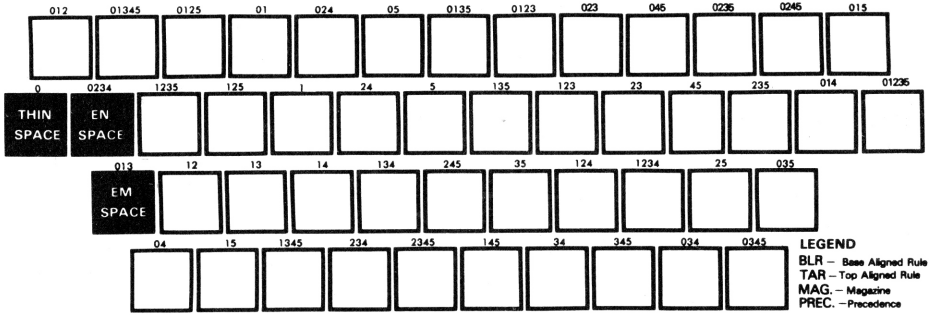
TTS SINGLE FRAME FUNCTION CODES



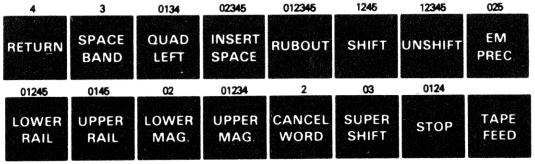
EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.



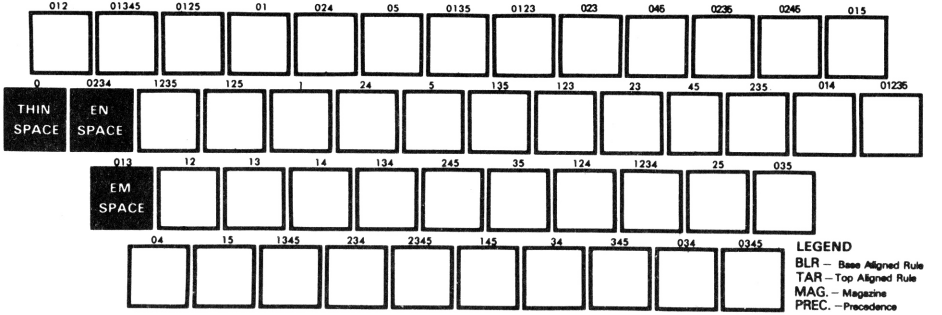


TTS SINGLE FRAME FUNCTION CODES



EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.



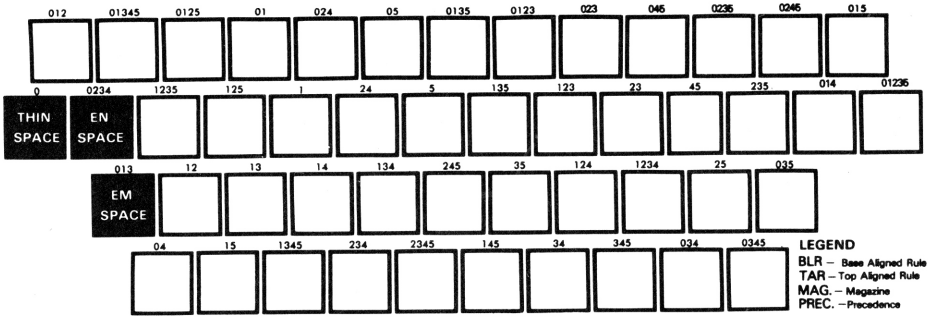
TTS SINGLE FRAME FUNCTION CODES

4	3	0134	02345	012345	1245	12345	025
RETURN	SPACE BAND	QUAD LEFT	INSERT SPACE	RUBOUT	SHIFT	UNSHIFT	EM PREC
01245	**0145**	**02**	**01234**	**2**	**03**	**0124**	
LOWER RAIL	UPPER RAIL	LOWER MAG	UPPER MAG	CANCEL WORD	SUPER SHIFT	STOP	TAPE FEED

EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.

025-2	025-4	025-012345	025-0124
025-03	**025-01234**	**025-025**	**025-02**
			$\overline{\text{TAR}}$



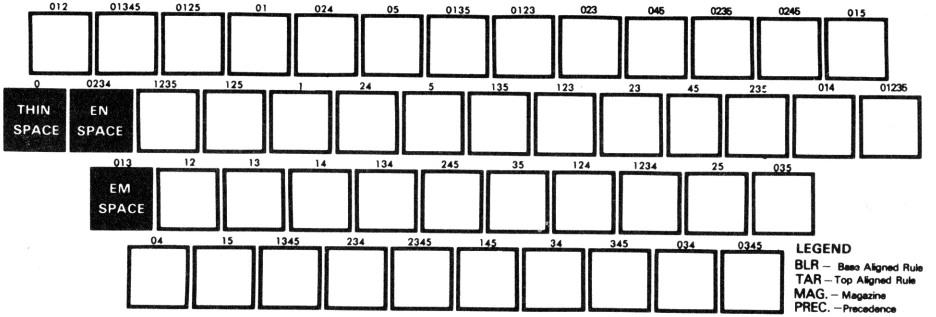
TTS SINGLE FRAME FUNCTION CODES

4	3	0134	02345	012345	1245	12345	025
RETURN	SPACE BAND	QUAD LEFT	INSERT SPACE	RUBOUT	SHIFT	UNSHIFT	EM PREC
01245	**0145**	**02**	**01234**	**2**	**03**	**0124**	
LOWER RAIL	UPPER RAIL	LOWER MAG.	UPPER MAG.	CANCEL WORD	SUPER SHIFT	STOP	TAPE FEED

EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.

025-2	025-4	025-012345	025-0124
025-03	**025-01234**	**025-025**	**025-02**
			$\overline{\text{TAR}}$



TTS SINGLE FRAME FUNCTION CODES

4	3	0134	02345	012345	1245	12345	025
RETURN	SPACE BAND	QUAD LEFT	INSERT SPACE	RUBOUT	SHIFT	UNSHIFT	EM PREC
01245	**0145**	**02**	**01234**	**2**	**03**	**0124**	
LOWER RAIL	UPPER RAIL	LOWER MAG	UPPER MAG	CANCEL WORD	SUPER SHIFT	STOP	TAPE FEED

EM (025) PRECEDENCE CHARACTER CODES

Upper case characters must be preceded by a Shift code.
Em Precedence characters inhibited in Wire Service Mode.

025-2	025-4	025-012345	025-0124
025-03	**025-01234**	**025-025**	**025-02**
			$\overline{\text{TAR}}$

Additonal Keyboard Layout Books can be purchased for $5 a copy from Department 510, Compugraphic Corporation, Type Division, 66 Concord Street, Wilmington, MA 01887.

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